Yevhen K
Architect Solution Architect

SUMMARY

* Accomplished Solution Architect, Technical manager with 13+ years of progressive experience in architecture design and a comprehensive understanding of project management and software development. * Orchestrating process implementations, ensuring tasks are completed within strict deadlines and budget, and delivering tangible business benefits. * Operational expertise includes Strategic Planning, Process Optimization, Change Management, Risk Management, Compliance and Governance, Requirement Analysis, Delivery Management, Process Improvement, Client Engagement and Retention, Business Analysis, A/B analysis, Product strategy developing, Report generating, and Compiling result reports. * Leadership and Management: Team building, Stakeholder Management, and Conflict Resolution.

TECHNICAL SKILLS

Main Technical Skills	System Architecture, JavaScript, Rust, Go, Java
AI Tools & Assistants	ChatGPT, Claude, CoPilot, Gemini
Programming Languages	Cobol, Go, Java, JavaScript, Kotlin, PHP, Python, Rust, Solidity
Rust Frameworks	Actix Web, Axum, Rocket
Java Frameworks	Apache Spark, Spring Boot
Scala Frameworks	Apache Spark
Mobile Frameworks and Libraries	Axum
AI & Machine Learning	Caffe, Claude, CoPilot, DeepCoder, GenAI, GPT, H20, LLaMA, Mistral AI, n8n, NLP, PyTorch, Scikit-learn, Shogun, TensorFlow
PHP Frameworks	CodeIgniter, Laravel, Yii
Python Frameworks	Django, Flask, Tornado
JavaScript Libraries and Tools	Ethers.js, Moleculer microservices framework
JavaScript Frameworks	Express, NestJS, Node.js, React, Vue.js
Android Libraries and Tools	Kotlin
Python Libraries and Tools	PyTorch, Scikit-learn, TensorFlow

Data Analysis and Visualization Technologies	ADLS, Apache Beam, Apache Glue, Apache Spark, Azure Data Factory, Lakehouse, Microsoft Azure Synapse Analytics
Security	Autopsy, Burp Suite, Kali, MPI DSS, Nessus, Nikto, OpenVas, OSSEC, OWASP, Sleuth, Tornado, Wireshark
Databases & Management Systems / ORM	Apache Hadoop, Apache Spark, Bigtable, Cassandra, Clickhouse, Data Lake, ELK stack (Elasticsearch, Logstash, Kibana), MongoDB, MySQL, PostgreSQL, Redis, Sequilize, Typeorm
Cloud Platforms, Services & Computing	Alibaba Cloud, Azure, GCP, Hetzner
Amazon Web Services	AWS DevOps
Azure Cloud Services	Azure Blob Storage, Azure Data Factory, Azure Event Hubs, Azure HDInsight, Microsoft Azure Synapse Analytics
Google Cloud Platform	Dataflow, Google BigQuery
Deployment, CI/CD & Administration	Ansible, Anycast DNS, BareMetal, GitLab CI, Jenkins, MetalLB
Collaboration, Task & Issue Tracking	Atlassian, Atlassian Confluence, Jira, Miro, Notion, Redmine
Scripting and Command Line Interfaces	Bash
Mail / Network Protocols / Data transfer	BGP, Networking
QA, Test Automation, Security	Burp Suite, Metasploit, Nessus, Nikto, OpenVas, Postman, Wireshark
Third Party Tools / IDEs / SDK / Services	ClickUp, Excel
Platforms	Creatio, Navision, Termius
UI/UX/Wireframing	Draw.io, Figma
Blockchain and Decentralized Software	Ethers.js, Foundry, Hardhat, OpenZeppelin, Rollups, Subgraph, Subsquid, Tokio, Truffle, Yul, ZK-Rollups
Version Control	Git, Github Actions
Logging and Monitoring	Grafana, Prometheus
SDK / API and Integrations	GraphQL, RESTful API
Virtualization, Containers and Orchestration	Kubernetes, Terraform
Methodologies, Paradigms and Patterns	System Architecture
Web/App Servers, Middleware	Tornado

Other Technical Skills	DICOM, EnCase, FHIR, FTK, HL7, RS-232, URT, X1, КУБ24

PROFESSIONAL EXPERIENCE

Solution Architect, Dila

(Aug 2024 - May 2025)

Led the Labware LIMS CHS system integration to replace the Terrasoft Creatio system. Was responsible for all replacement processes in-house. Was involved in negotiations with the business side, the vendor side, and the technical side as well.

- Designed & Deployed LIMS integration in DILA ecosystem: Architected a suite of microservices (mdl-dictionary, mdl-order, mdl-cart, mdl-customer, mdl-fhir) to synchronize master data, orders, carts, customers and FHIR clinical resources between LabWare LIMS v5.06, Navision ERP (OData), Web and Mobile clients.
- Designed DATA pipelines with error handling: Designed and participated in the implementation of OData-based delta-sync and full-sync patterns into PostgreSQL and ElasticSearch, complete with retry logic, alerting via a central Alert Service and audit trails for any master-data or transactional failures.
- Secure communication & Compliance: Enforced end-to-end encryption (TLS 1.3), OAuth2.0/JWT authentication, role-based access control (RBAC) and API rate-limiting across all REST/SOAP/FHIR endpoints. Integrated intrusion detection (IDS) and automated vulnerability scanning into CI/CD.
- Infrastructure Design: Conceptualized and implemented distributed server infrastructure, initiated Kubernetes clusters for SaaS, and prepared Ansible playbooks for seamless deployment in self-hosted environments.
- Self-Hosted Deployment: Designed containerized deployments with Helm charts and Ansible playbooks for our self-hosted-based clinical, website, and LIMS on-prem environments. Automated zero-downtime upgrades and rollbacks.
- FHIR R4 Clinical Data Exchange: Developed LabWare subroutines and an Integration module to emit Observation, DiagnosticReport, Patient, and Practitioner resources from HL7 different versions to mdl-fhir. Validated and routed FHIR bundles to external MIC systems.
- Microservices & API Gateway: Oversaw the design of REST, SOAP and FHIR APIs behind an NGINX/Gateway layer, ensuring discoverability, Swagger/OpenAPI documentation, and centralized logging.
- Monitoring & Observability: Deployed Prometheus/Grafana dashboards, ELK stack for logs, and Sentry for error tracking-enabling real-time SLA monitoring and sub-5-minute MTTD.
- Technology Stack: Java (Spring Boot), Node.js, PostgreSQL, ElasticSearch, Redis, RabbitMQ, Kubernetes, Docker, Helm, Ansible, Terraform, GitLab CI/CD, AWS (EKS, RDS, S3), React, Next.js, Grafana, Prometheus, Sentry, ELK.
- Protocols: HL7 v2.x (ADT, ORM, ORU_R01 etc within segment MSH-12, XML 1.0, SOAP 1.1, AnIML, ASTM, RS-232, URT (Bio-Rad Unity Real-Time), OData v4.

Architect / Deputy CEO, Nuvalt

(Oct 2022 - Jun 2024)

Led the development of a secure B2B payment solution, scaling the team to 27 members (including operational staff) and overseeing the architecture of microservices and cryptoprocessing for major blockchain networks.

- Architected B2B Payment Solution: Designed and developed an integrated fiat and crypto transaction platform, ensuring robust security and high performance.
- Security Implementation: Implemented advanced cryptographic protocols and secure storage solutions, ensuring end-to-end transaction encryption. Multi-factor authentication (MFA) and role-based access control (RBAC) were used to enhance security, integrated state-of-the-art security practices, including encryption at rest and in transit, intrusion detection systems (IDS), secure key management.
- Team Expansion and Leadership: Scaled the team from 1 to 27 members, including QA, Frontend, Backend, DevOps, Blockchain, Customer Support, Sales, and Marketing, ensuring a cohesive and efficient team structure.
- Infrastructure Design: Conceptualized and implemented distributed server infrastructure, initiated Kubernetes clusters for SaaS, and prepared Ansible playbooks for seamless deployment in self-hosted environments.
- Cryptoprocessing Development: Engineered core cryptoprocessing components for major blockchain networks, including ETH, BTC, BCH, and TRON, ensuring secure and efficient transaction processing.
- Architectural Oversight: Directed the architecture of microservices, database structures, and node infrastructure to ensure scalability, reliability, and maintainability.
- P&L and Market Analysis: Conducted P&L reporting, market research, and competitive benchmarking to inform strategic decisions and optimize business performance.
- Investor Relations: Created and delivered compelling investor pitch presentations, showcasing the technical and business potential of the solutions.
- In-App Messaging Platform: Architected an in-app messaging platform to enhance user communication and engagement. Utilized technologies, including WebSockets, Node.js, Redis, and MongoDB, to ensure high availability and real-time messaging capabilities.
- Technology Stack: Utilized a comprehensive stack including Node.js, Moleculer, NEST, RabbitMQ, PostgreSQL, Clickhouse, Redis, React.js, Next, Sentry, Logstash, Kibana, Hotjar, Grafana, Prometheus, GitLab, AWS, GCP, and Terraform to build and manage the architecture effectively.

COO/CTO of Projects, Uniqit Group

(Aug 2022 - Jun 2024)

Set up and improved operational staff, enhanced people management practices, strengthened security measures, facilitated company transformation, and led project unbundling initiatives.

- Operational Leadership: Directed daily operations, ensuring the seamless integration of all company departments with each other.
- Team expansion and management: Scaled the team from 15 people to 40 people across various departments (R&D, Sales, Marketing, Affiliate Marketing fostering a collaborative and high-performance culture.
- Financial oversight: Conducted P&L reporting with CFO and Product Leads, did market research and competitive benchmarking and provided strategic insights.
- Investor relations: Created and delivered compelling investor pitch presentations, securing funding and support for operation initiatives.
- Infrastructure Design and Deployment: Oversaw the design and deployment of distributed server infrastructure, initiated Kubernetes clusters for SaaS, and prepared Ansible playbooks for self-hosted versions, ensuring operational efficiency and scalability.

- Stakeholder Engagement: Representing the company at public events, conferences, and in the media. Negotiating and concluding strategically important agreements, Building and maintaining relationships with investors, partners, and other key stakeholders.
- Technology Stack: Utilized a comprehensive stack including Node.js, Moleculer, NEST, RabbitMQ, PostgreSQL, Clickhouse, Redis, React.js, Next, Sentry, Logstash, Kibana, Hotjar, Grafana, Prometheus, GitLab, AWS, GCP, and Terraform to build and manage the architecture effectively.

Solution Architect, Ultron Foundation - Kyiv, Ukraine / Ljubljana, Slovenia

(Part-Time, Aug 2022 - Jul 2024)

Architected blockchain infrastructure, improved operational and security staff, enhanced people management, led the team in passing smart contract audits, implemented advanced security measures, and optimized the performance of internal data nodes.

- Blockchain Architecture Design: Architected the entire blockchain infrastructure, developed tokenomics from scratch, and wrote smart contracts to ensure secure and efficient operations.
- Operational Leadership: Directed the development and implementation of the entire blockchain architecture, including creating tokenomics and smart contracts, ensuring efficient and secure operations.
- Team Building and Management: Hired and built a high-performing blockchain team, fostering a collaborative and innovative work environment.
- GraphQL Node Setup: Established GraphQL nodes to enable seamless data querying and integration within the blockchain ecosystem.
- Multisignature Infrastructure: Implemented multisignature infrastructure via Gnosis Layer L2, ensuring enhanced security for transactions and asset management.
- Smart Contract Development: Developed vesting contracts and led the successful passing of CERTIK audits for smart contracts, ensuring high security and reliability standards.
- Team Leadership: Hired and built a high-performing blockchain team, fostering a collaborative and innovative work environment.
- Tool and Process Adaptation: Adapted the Blockscout scanner to meet specific project needs and created a Hashicorp Vault token exchange for secure custody addresses.
- Custody Functional Enhancement: Transitioned all custody functionalities to a non-custody model using NFT reclaim, improving security and user control.
- Security Enhancements: Conducted comprehensive security assessments and implemented advanced security measures such as secure key management, encrypted communication channels, and regular penetration testing.
- Performance Optimization: Accelerated internal data nodes using Subsquid, replacing Subgraph for enhanced performance and efficiency.
- Coinmarketcap Activities: Participated in project listing and verification activities on Coinmarketcap to increase project visibility and credibility.
- Messaging Between Application Services: Architected messaging between application services to ensure efficient communication and data exchange. Utilized technologies including Kafka and Kafka Streams, REST APIs to achieve robust and scalable inter-service communication.
- Technology Stack: Utilized RUST, Actix, Solidity, GraphQL, Kafka, Elixir, Clickhouse, Redis, React.js, and Sentry to build and manage the architecture effectively.
- Git links: upon request
- CERTIK link: upon request

Blockchain Architect, Magicsquare

(Aug 2022 - Aug 2023)

Created blockchain architecture, tokenomics, and smart contracts and led all the audits. Hired and transitioned an in-house blockchain team to improve deliverability. Launched Magic Store to Public Beta and Magic Link to production.

- Blockchain Architecture Design: Designed comprehensive blockchain architecture and developed tokenomics, ensuring the creation of secure and efficient smart contracts.
- Operational Leadership: Directed the design and implementation of blockchain architecture and tokenomics, ensuring secure and efficient operations.
- Market and Financial Analysis: Market research and competitive benchmarking were conducted to inform strategic decisions and optimize business performance.
- Team Transition and Development: Transitioned from an outsourced to an in-house blockchain team within one month, significantly enhancing project control and quality.
- SAML Implementation: Implemented SAML across services, ensuring secure and streamlined authentication processes.
- Security Implementation: Integrated advanced security protocols, including SAML, multi-factor authentication, and regular security audits to protect blockchain assets and transactions.
- Smart Contract Audits: Successfully passed CERTIK audits of smart contracts, ensuring high security and reliability standards.
- Magic Store Launch: Architected and launched the Magic Store to public beta, showcasing advanced blockchain capabilities.
- MagicLink Launch: Led the architectural design and implementation of MagicLink, enhancing user authentication and linking processes within the blockchain ecosystem via Account Abstraction ERC 4337.
- Security Audits and Automation: Conducted thorough security audits (CERTIK) and automated routine tasks to improve efficiency and security.
- Messaging Between Microservices: Architected communication between microservices using architectural patterns such as event-driven architecture and message queuing. Utilized technologies, including Kafka and REST APIs, to achieve robust and scalable inter-service communication.
- Organizational Development: Created RACI and Skills Matrix for the company, enhancing role clarity and team performance.
- Technology Stack: Utilized a robust stack including Node.js, Moleculer, NEST, TypeScript, Kafka, PostgreSQL (Cluster Multi-region AZ), Clickhouse, Redis, React.js, Sentry, Logstash, Kibana, Hotjar, Grafana, Prometheus, GitLab, AWS, and Terraform to architect and manage the blockchain infrastructure effectively.
- Git links: upon request
- CERTIK link: upon request

Department Lead, Junkineering | Split, Croatia

(Nov 2021 - Jan 2023)

Lead the creation of a web-based puzzle game where players use engineering principles to solve challenges. Players must create and assemble machines from various junk parts to accomplish specific tasks at each level. The game emphasizes creativity, problem-solving, and physics-based mechanics, allowing players to experiment with different configurations to achieve their objectives.

- Product Development: Developed and launched Web3 game on the WAX blockchain, ensuring robust and scalable architecture.

- Architecture and Game mechanics development: Architected and implemented together with the team all game mechanics and created the scalable architecture that supports the DLC format.
- Team Building and Management: Hire over eight people only with this department, like Unity developers, 2D Designers, Narrative Creators.
- Project Management: A managed project using the P3Express framework, ensuring timely and within-budget delivery of initiatives.
- Market Analysis: Market research and competitive benchmarking were conducted to inform strategic decisions and optimize business performance.
- Technology Stack: Unity, C++ (then moved to Rust), Rust, Actix, Solidity, Truffle, Hardhat, ChainLink, Node.js + Nest, AWS.
- Git links: upon request

CTO/COO, Appside

(Nov 2021 - Jan 2023)

Directed tech stack migration, launched Web3 games on WAX blockchain, developed a new payment crypto/fiat system for CPA network, improved operational and security staff, hired and managed over 20 staff members, led company transformation to modern tools, and managed projects using the P3Express framework.

- Operational Leadership: Directed the migration to a new tech stack, including Slack, Jira, Confluence, and GSuite, enhancing collaboration and operational efficiency.
- Product Development: Developed and launched two Web3 games on the WAX blockchain and CPA network, ensuring robust and scalable architecture.
- Payment System Development: Architected and implemented a new payment system, improving transaction security and efficiency.
- Bonus system development: Implemented different bonus systems for the CPA network (GR, NGR, RTP, RR, C2R/R2D/LVT).
- Team Building and Management: Hired over 20 staff members, created RACI and Skills Matrix, and implemented Kandji MDM and OKTA for security, fostering a high-performance culture.
- Organizational Transformation: Led the company's migration from legacy systems to modern tools (Slack, Jira, Confluence, GSuite), significantly improving workflow and communication.
- Project Management: Managed projects using the P3Express framework, ensuring timely and within-budget delivery of initiatives.
- Market and Financial Analysis: Market research and competitive benchmarking were conducted to inform strategic decisions and optimize business performance.
- Technology Stack: Utilized Node.js, Moleculer, GraphQL, TypeScript, PostgreSQL, MongoDB, Vue.js, Sentry, Logstash, Kibana, Hotjar, Grafana, Prometheus, GitLab, AWS, and Terraform to build and manage operational systems effectively.

CTO/COO/Tech Advisor, 4IRE Labs

(Nov 2020 - Oct 2021)

Directed creation of company-wide infrastructure, built from scratch all departments (Architect office, PM office, Sales department, BizDev department), set up all company internal infrastructure CE and internal VPN, led pre-sales and PoC development, contributed to key blockchain projects, conducted smart contract security audits, provided blockchain education, and enhanced market and financial analysis practices.

- Operational Leadership: Directed the creation of company-wide infrastructure, including the intranet and migration to Atlassian products (Jira, Confluence), enhancing collaboration and efficiency.

- DevOps and Security Implementation: Set up GitLab CE, internal VPN, and HR tools (Hurma) to ensure secure and streamlined operations.
- SDLC Processes: Implemented SDLC processes to maintain high software development and delivery standards.
- Pre-Sales and PoC Development: Led pre-sales activities for Blockchain, Fin-tech, and IoT projects and developed various PoCs, demonstrating technical viability and innovation.
- Team Building and Leadership: Led the team of Solution Architects and provided services for the NEAR Foundation, developing the Rainbow Bridge from scratch.
- Key Project Contributions: Contributed to Paras Contracts (paras.id), led the development of Compound on Cardano kEVM, Aztec Protocol (Layer2 Ethereum), and the first iteration of the Axia Protocol, ensuring robust and scalable solutions.
- Smart Contract Security Audits: Conducted smart contract security audits (static and binary analysis), ensuring high-security standards.
- Blockchain Education: Led two courses in blockchain school, sharing expertise in blockchain technology and smart contract development.
- NEAR Foundation Service: Led the team that provided services for the NEAR Foundation, developing the Rainbow Bridge from scratch and ensuring seamless interoperability between blockchains.
- Paras Contracts Contribution: One of the main contributors to Paras Contracts (paras.id), enhancing the platform's functionality and security.
- Compound on Cardano: Led the team that developed Compound on Cardano kEVM, ensuring robust and scalable smart contract implementation.
- Aztec Protocol Development: Led the team that developed the Aztec Protocol (Layer 2 Ethereum), improving transaction efficiency and privacy.
- Axia Protocol Development: Led the team that developed the first iteration of the Axia Protocol, ensuring secure and efficient transaction processing.
- Market and Financial Analysis: Market research and competitive benchmarking were conducted to inform strategic decisions and optimize business performance.
- Technology Stack: Utilized RUST, Actix, Solidity, Hardhat, Truffle, JS, NEXT, PostgreSQL, and REL to build and manage operational systems effectively.
- Git links: upon request
- CERTIK links: upon request

Solution Architect, Lead Backend Developer, OnvCore (ex. AnvCash)

(Apr 2019 - Mar 2022)

Provided migration from the old bare-metal solutions to modern Kubernetes (k8s) on AWS+GCP. Architected secure key storage solutions within AWS Nitro Enclave. Developed and managed Node as a Service solution for internal purposes Created isolated VM workspaces, architected messaging between nodes and JSON-RPC services, and utilized a comprehensive tech stack to ensure robust and scalable systems.

- Delivery Management: Oversaw project delivery from conception to deployment, ensuring projects were completed on time within scope and budget.
- Team Coordination: Coordinated cross-functional teams, including development, QA, and operations, to ensure seamless project execution and delivery.
- Risk Management: Identified and mitigated risks throughout the project lifecycle to ensure successful project outcomes.
- Stakeholder Engagement: Maintained strong relationships with stakeholders, ensuring their requirements were met and exceeded.
- Secure Storage Implementation: Architected and implemented secure storage solutions, ensuring multi-signature transaction verification and robust crypto node management.

- Node as a Service Solution: Developed and managed a Node as a Service solution, providing scalable and reliable node infrastructure.
- Telegram bot development: Developed and managed a telegram bot both for controlling and maintaining the system and operating with crypto assets.
- Advanced Security Measures: Integrated state-of-the-art security practices, including encryption at rest and in transit, intrusion detection systems (IDS), secure key management, and regular security audits.
- Isolated VM Workspace: Created isolated VM workspaces for secure application use, particularly for admin panel functionalities, enhancing security and operational efficiency.
- Messaging Between Nodes and JSON-RPC Services: Architected messaging between nodes and JSON-RPC services to ensure efficient communication and data exchange. Utilized technologies, including RabbitMQ and JSON-RPC, to achieve robust and scalable inter-node communication.
- Technology Stack: Utilized a comprehensive stack including Vue.js, Nuxt, Node.js, Node-red, Express, TypeScript, Solidity, MongoDB, PostgreSQL, Jest, Mocha, Cucumber, Allure, Sentry, Kibana, Logstash, Grafana, Prometheus, GitLab, Rancher, Google Cloud, Hetzner Cloud, Kubernetes, Docker, Helm, CEPH, Ingress, and NGINX to architect and manage secure and scalable systems effectively.

Solution Architect, Emirates | Dubai, UAE

(Sep 2019 - Feb 2020)

The team on Terricon Valey's place in the UNICEF hackathon won this project. We designed and developed interfaces for onboard services, managed the overall architecture for scalability and reliability, oversaw talent acquisition, and utilized Vue.js, GoLang, Apache Cassandra, and Kubernetes (AWS) for efficient and scalable solutions. Also, we implemented the Merkle tree principles to create a git-approached pull base system for updates.

- Interface Development: Designed and developed interfaces for onboard services and Skywards membership interaction, ensuring seamless and user-friendly experiences.
- Architecture Management: Managed the overall architecture, ensuring scalability, reliability, and integration with existing systems.
- Talent Acquisition: Oversaw talent acquisition, building a skilled team to support architectural and development efforts.
- Technology Stack: Utilized Vue.js, GoLang, Apache Cassandra, and Kubernetes (AWS) to architect and manage efficient and scalable solutions.

CTO/COO, Selectsnecs

(Part-Time | Feb 2019 - Dec 2022)

Led infrastructure migration to a modern tech stack, improved operational efficiency, established Kubernetes-based CI/CD, oversaw daily operations, enhanced process optimization, managed risk, and utilized a comprehensive tech stack for advanced, scalable solutions.

- Infrastructure Migration: Led the migration from an old setup (pure PHP, hard server infrastructure, JENKINS semi-automated CI) to a new environment based on Kubernetes, automated using NodeJS, TypeScript, VueJS, and NUXT, significantly enhancing operational efficiency and reliability.
- Tech Stack Modernization: Architected and implemented a modernized tech stack, improving performance, scalability, and maintainability.
- DevOps and CI/CD Implementation: Established a Kubernetes-based automated environment, streamlining development and deployment processes.

- Operational Leadership: Oversaw day-to-day operations, ensuring seamless integration and functioning of new technologies across the organization.
- Process Optimization: Identified and implemented process improvements to enhance productivity and reduce costs.
- Team Management: Built and led cross-functional teams, fostering a collaborative, high-performance culture.
- Risk Management: Implemented risk management strategies to mitigate potential operational risks.
- Client Engagement: Engaged with clients to meet their needs and maintain strong, long-term relationships.
- Technology Stack: Utilized Vue.js, Nuxt, Node.js, Express, TypeScript, MongoDB, PostgreSQL, ElasticSearch, Jest, Mocha, Cucumber, Allure, Sentry, Kibana, Logstash, Grafana, Prometheus, GitLab, Hetzner BareMetal, Kubernetes (Hetzner Cloud + Rancher), and Helm to architect and manage advanced, scalable solutions effectively.

Lead Blockchain Developer, NYNJA

(Feb 2018 - Mar 2019)

Architected NYNJA wallet and STO, led platform development for secure digital asset management, integrated voice, text, and visual messaging with e-commerce features, and utilized Solidity, Hardhat, bitcoind, MQTT, Kafka, and Python (Flask) to build and manage robust blockchain applications.

- NYNJA Wallet and STO Platform: Architected NYNJA wallet and STO, leading platform development to ensure secure and efficient digital asset management.
- Technology Stack: Utilized Solidity, Hardhat, bitcoind, MQTT, Kafka, and Python (Flask) to build and manage robust blockchain applications.

Lead Blockchain Developer, CTO - Tecsynt Solutions

(Feb 2018 - Mar 2019)

Directed the development and deployment of decentralized applications, managed complex projects, maintained strong client relationships, developed DApps, implemented a private blockchain, integrated various services, deployed blockchain solutions, contributed to Solidity compiler, and utilized a robust tech stack for secure blockchain solutions.

- Operational Leadership: Directed the development and deployment of decentralized applications (dApps) of varying complexity, ensuring alignment with organizational goals and efficient use of resources.
- Project Management: Oversaw project delivery, ensuring projects were completed on time, within scope and budget.
- Client Engagement: Maintained strong relationships with clients, ensuring their requirements were met and fostering long-term partnerships.
- DApp Development: Architected and developed decentralized applications (dApps) of varying complexity using Solidity, Hyperledger (Fabric, Composer, Sawtooth), R3Corda, and Stellar.
- Private Blockchain Setup: Implemented a Private Blockchain with a Casper Hybrid Ethereum solution (50% PoW / 50% PoS) to ensure enhanced security and scalability.
- Atomic Swap and Escrow Implementation: Developed and integrated Atomic Swap, Escrow, staking, and token issuing/distribution contracts (ERC20/ERC721/ERC1400) to enhance blockchain functionality.
- Service Integration: Integrated various services and data via web3, infura, etherscan, ethgasstation, etc., ensuring seamless blockchain interactions.
- Network Deployment: Deployed blockchain solutions to Mainnet, Ropsten, Kovan, Rinkeby, and Private Networks, ensuring wide-ranging compatibility and reliability.

- Solidity Compiler Contribution: Contributed to the Solidity compiler, enhancing its capabilities and performance.
- Security Audits: Performed audit and analysis of smart contracts and systems with various tools, including EVM disassembler, ensuring high-security standards.
- Technology Stack: Utilized Solidity, Hyperledger, R3Corda, Stellar, web3, Casper Hybrid Ethereum, and EVM disassembler to architect and manage secure blockchain solutions.

Lecturer, Hillel IT School

(Jul 2018 - Dec 2019)

Developed and taught Ethereum and Hyperledger courses, guided students in developing decentralized applications and wallets, focused on teaching architectural principles and best practices in blockchain technology, and preparing students to design and implement secure and scalable blockchain solutions.

- Course Development and Instruction: Developed and taught Ethereum and Hyperledger courses, providing students in-depth knowledge of blockchain architecture and smart contract development.
- DApp and Wallet Development: Guided students in developing decentralized applications (DApps) and wallets, ensuring a comprehensive understanding of practical blockchain applications.
- Blockchain Architecture Education: Focused on teaching architectural principles and best practices in blockchain technology, preparing students to design and implement secure and scalable blockchain solutions.

Datum, Smart-Contract Developer

(Sep 2017 - Apr 2018)

Architected and managed the development of a decentralized data marketplace, developed and deployed secure smart contracts, and utilized Solidity, Truffle, Hardhat, Remix, and OpenZeppelin to effectively manage the decentralized platform for secure data storage and monetization.

- Decentralized Data Marketplace Development: Architected and managed the development of a decentralized data marketplace, ensuring secure and efficient data transactions.
- Smart Contract Implementation: Developed and deployed smart contracts using Solidity, ensuring robust and secure interactions within the marketplace.
- Technology Stack: Utilized Solidity, Truffle, Hardhat, Remix, and OpenZeppelin to architect and manage the decentralized marketplace effectively.

Mobilunity, Senior Frontend Developer

(Jul 2017 - Dec 2017)

Developed mobile and web applications using AngularJS, implemented end-to-end testing with KarmaJS and Protractor and architected the Operation Board to enhance operational efficiency, utilizing AngularJS, Axios, and NodeJS for effective frontend development.

- Application Development: Developed mobile and web applications using AngularJS 1.5 and AngularJS 2, ensuring responsive and user-friendly interfaces.
- Testing and Quality Assurance: Implemented testing using KarmaJS and Protractor for end-to-end testing, ensuring high-quality and reliable applications.

- Operational Board Development: Architected and built the Operation Board from scratch with AngularJS 2, enhancing operational efficiency.
- Technology Stack: Utilized AngularJS, Axios, and NodeJS to architect and manage frontend development effectively.

Software Developer, SAP Labs Israel | Raanana

(Israel, Full-Time, Feb 2016 - Aug 2017)

Engaged in the full project lifecycle from requirements gathering to deployment, managed the development of network protocols and algorithms, contributed to building and training a GPU farm for machine learning using Caffe, and utilized JavaScript, Meteor, R, and Caffe by Berkeley to develop advanced software solutions-integration of it in SAP S/4 HANA.

- Full Project Lifecycle Participation: Engaged in the full project lifecycle, from requirements gathering to deployment, ensuring comprehensive project development and delivery involvement.
- Network Protocols and Algorithms: Managed the development of network protocols and algorithms, ensuring efficient and secure communication within systems.
- Machine Learning Initiatives: Contributed to building and training a GPU farm for machine learning tasks using Caffe, enhancing the organization's AI and machine learning capabilities.
- Technology Stack: Utilized JavaScript, Meteor, R, and Caffe by Berkeley to develop and manage advanced software solutions effectively, work with COBOL.

Fashion Retail eCommerce platform, Fullstack Developer

(Full-Time, Jul 2011 - Mar 2016)

Building project architecture that involves cross-platform interactions, mobile and web E-commerce integrations, automated QA components, and database/file storages while utilizing the power of software design patterns (e.g., abstract factory for the billing module). Applying SQL (MySQL, PostgreSQL) and NoSQL (MongoDB, DynamoDB) solutions as data storage based on project needs and requirements. Providing APIs and documentation for developers and companies using web services created by the team.

- Project Architecture Development: Designed and built project architectures involving cross-platform interactions, mobile and web e-commerce integrations, automated QA components, and database/file storage solutions.
- Software Design Patterns: Utilized software design patterns, such as the abstract factory for the billing module, to ensure efficient and maintainable code.
- Technology Stack: Employed a robust technology stack including AngularJS, jQuery, PHP, Yii, and Vagrant to architect and manage comprehensive software solutions.

EDUCATION

- **Bachelor of Laws (LLB)**, Taras Shevchenko National University of Kyiv - Criminal Justice / Forensic Medicine | 2010-2015
- **M.Sc**, Technion - Israel Institute of Technology, Cybernetics faculty, Haifa, Israel | 2016-2018

CERTIFICATIONS

- Crypto Currency Security Standard Auditor (CCSSA), CryptoCurrency Certification Consortium (C4) | OCT 2018
- IBM Blockchain for Developers (Hyperledger Fabric), IBM | 2018
- AWS Solutions Architect Professional, AWS | 2020
- CKA, CKAD, CKS, CGOA, Cloud Native Computing Foundation | 2020