

# Volodymyr P.

## Senior Full-Stack Engineer

### SUMMARY

- Full-Stack Engineer with 10 years of experience building and scaling web and SaaS products across fintech, edtech, martech, crypto, energy, and AI-driven domains.
- Skilled in JavaScript, TypeScript, and Python, with hands-on experience in frontend development using React, Next.js, and Vue.js, and backend development with Node.js, NestJS, Express, and Python-based frameworks.
- Designed and implemented system architectures for complex platforms, including distributed systems, microservices, real-time applications, and API-driven products with PostgreSQL, MongoDB, Redis, ClickHouse, and Elasticsearch.
- Led full-cycle development of high-load platforms such as crypto trading systems, communication automation tools, educational video platforms, and SaaS products, from requirements and architecture to production launch and scaling.
- Integrated AI and machine learning components into production systems using OpenAI APIs, LangChain, FAISS, PyTorch, and other AI tooling for personalization, automation, and content generation.
- Built and maintained infrastructure using Docker, Kubernetes, Terraform, and CI/CD pipelines, working extensively with AWS and Google Cloud environments.
- Experienced in technical leadership, including frontend architecture ownership, mentoring engineers, hiring, and organizing engineering teams across multiple projects.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	React (10 yr.), TypeScript, Node.js, Vue.js, AWS
<b>AI Tools &amp; Assistants</b>	Claude
<b>Programming Languages</b>	C#, Go, Java (1 yr.), JavaScript, PHP, Python, TypeScript
<b>AI &amp; Machine Learning</b>	AI, Claude, Faiss, LangChain, LDA (Latent Dirichlet Allocation), OpenAI, Pinecone, PyTorch, TensorFlow
<b>JavaScript Frameworks</b>	Angular, Ext JS, NestJS, Next.js, Node.js, React (10 yr.), tRPC, Vue.js
<b>JavaScript Libraries and Tools</b>	Apollo, Electron, Ethers.js, Expo, mui, React Native, Strapi, Web3.js
<b>Mobile Frameworks and Libraries</b>	Crashlytics
<b>.NET Platform</b>	EF Core, .NET
<b>Go Frameworks</b>	Fiber
<b>Python Libraries and Tools</b>	pytest, PyTorch, TensorFlow

<b>Java Frameworks</b>	Spring Boot
<b>Security</b>	Auth0, RBAC
<b>Databases &amp; Management Systems / ORM</b>	AWS ElasticSearch, Clickhouse, MongoDB, MySQL, PostgreSQL, Prisma, Redis, SQLAlchemy, Typeorm
<b>UI Frameworks, Libraries, and Browsers</b>	Tailwind CSS, UI
<b>Cloud Platforms, Services &amp; Computing</b>	AWS, GCP, Vercel
<b>Amazon Web Services</b>	AWS CloudFront, AWS ElasticSearch
<b>Azure Cloud Services</b>	Azure Key Vault
<b>SDK / API and Integrations</b>	API, GraphQL, JWT, OAuth, RESTful API
<b>Message/Queue/Task Brokers</b>	Celery, Kafka, RabbitMQ
<b>Deployment, CI/CD &amp; Administration</b>	CI/CD, GitLab CI, Jenkins
<b>Platforms</b>	Contentful, SAAS
<b>QA, Test Automation, Security</b>	Cypress, Jest, Playwright, pytest, Sanity Testing
<b>Virtualization, Containers and Orchestration</b>	Docker, Kubernetes, Terraform
<b>BlockChain and Decentralized Software</b>	Ethers.js, Hardhat, Web3
<b>Methodologies, Paradigms and Patterns</b>	FDD, Flows, SOLID
<b>Version Control</b>	Github Actions
<b>Mail / Network Protocols / Data transfer</b>	GRPC, JWT, WebSockets
<b>Project Management &amp; Administration</b>	MVP
<b>Logging and Monitoring</b>	Prometheus, Sentry
<b>UI/UX/Wireframing</b>	UX

## WORK EXPERIENCE

### Lead Full-Stack Engineer & Product Architect, PlagTV (EdTech, Language Learning, AI)

Duration: Feb 2025 - Sep 2025



**Summary:** Led product architecture and full-stack development for an educational video platform for language learners, owning end-to-end delivery from requirements to production launch.

**Key Responsibilities:**

- Designed system architecture from raw requirements covering UX/UI, data layer, backend services, infrastructure, CI/CD, and AI personalization module;
- Built learning features with video playback, interactive subtitles, vocabulary system, and adaptive AI adjusting to learner progress;
- Organized hiring and onboarded a 4-engineer team with documentation and architecture maps;
- Delivered production-ready platform for market launch and scaling.

**Technologies:** React, Next.js, Vue.js, Node.js, NestJS, TypeScript, C#, .NET, Python, Anthropic, LangChain, FAISS, MongoDB, PostgreSQL, Redis, Docker, Kubernetes, Google Cloud.

**Senior Full-Stack Engineer & Frontend Architect, Darkbot.io (FinTech, Crypto Trading, ML)**

**Duration:** Jul 2024 - Jan 2025

**Summary:** Joined to elevate engineering standards, stabilize the platform, and establish reliable development processes for a crypto trading system.

**Key Responsibilities:**

- Rebuilt frontend architecture with modular structure, centralized state management, and type safety;
- Removed architectural bottlenecks and fixed backend failures in trading execution and account management;
- Established CI/CD pipelines, automated testing, and code review standards;
- Enabled regular releases and onboarding of first users.

**Technologies:** React, Next.js, TypeScript, PHP, Laravel, MySQL, Redis, Kafka, RabbitMQ, Docker, Terraform, AWS.

**Technical Consultant & Product Architect, Emotive.io (MarTech, E-commerce)**

**Duration:** May 2024 - Mar 2025

**Summary:** Provided technical consultation and product strategy guidance for a communication-automation platform for e-commerce and DTC brands.

**Key Responsibilities:**

- Defined modernization strategy and product evolution roadmap;
- Mentored junior and mid-level engineers to improve engineering standards;
- Restructured engineering organization and participated in technical hiring;
- Resolved critical platform issues and stabilized operations during high-load events.

**Senior Full-Stack Engineer & Engineering Lead, Emotive.io (MarTech, E-commerce)**

**Duration:** Oct 2020 - May 2024



**Summary:** Owned frontend architecture and full-stack engineering, driving platform transformation and building engineering organization from the ground up.

**Key Responsibilities:**

- Unified fragmented micro-applications into a single platform;
- Migrated legacy monolithic system to microservice architecture;
- Built production-ready chat system, AI support assistant, and operator console;
- Hired and structured frontend, backend, and QA teams;
- Stabilized development and delivered product improvements.

**Technologies:** React, GraphQL (Apollo), TypeScript, Node.js, Python, Django, Flask, OpenAI API, LangChain, PyTorch, PostgreSQL, Redis, Kafka, ClickHouse, Elasticsearch, Docker, Terraform, AWS.

## **Lead Frontend Engineer, CoinFlex (FinTech, Crypto Trading)**

**Duration:** Jan 2020 - Oct 2020

**Summary:** Built UI architecture from scratch and led frontend development for a high-load crypto trading platform.

**Key Responsibilities:**

- Built entire UI architecture delivering high-performance real-time trading interface;
- Implemented ultra-fast real-time data flows handling thousands of updates per second;
- Contributed to backend code and API integration;
- Delivered production-ready trading environment comparable to major platforms.

**Technologies:** React, GraphQL (Relay), TypeScript, Node.js, Java, Spring Boot, Python, PostgreSQL, Redis, Kafka, Elasticsearch, Docker, Kubernetes, Grafana, AWS.

## **Founding Full-Stack Engineer & Acting CTO, FinRev (FinTech, Energy, Web3)**

**Duration:** Apr 2019 - Dec 2019

**Summary:** Designed and built MVP of a tokenized energy exchange platform, establishing system architecture and engineering organization from scratch.

**Key Responsibilities:**

- Designed and built MVP covering smart contracts, token marketplace, exchange mechanics, and energy accounting flow;
- Created exchange dashboard and integrated wallet functions;
- Established R&D office in Kyiv and conducted technical hiring;
- Delivered production-ready MVP for pilot tests.

**Technologies:** Vue.js, TypeScript, Node.js, Python, Go, web3.js, Ethereum, Polygon, Solidity, Docker, Kubernetes, Terraform, Google Cloud.

## **Lead Frontend Engineer & Product Architect, Nimses (Social Media, AdTech, FinTech, Web3)**

**Duration:** Jun 2017 - Mar 2019

**Summary:** Led frontend architecture and development across multiple platforms within a social-media and blockchain ecosystem.



### **Key Responsibilities:**

- Established frontend architecture standards across distributed teams;
- Built and launched Exchange and Ads platforms;
- Led 15+ engineers and scaled organization by hiring 25+ senior engineers;
- Integrated Exchange, Ads, and Music platforms into a unified ecosystem.

**Technologies:** React, GraphQL (Apollo), TypeScript, Node.js, Go, PostgreSQL, Kafka, ClickHouse, Elasticsearch, Docker, Kubernetes, AWS.

### **Full-Stack Engineer, AVyS Wholesale LDA (Telecom, VoIP)**

**Duration:** Mar 2015 - May 2017

**Summary:** Architected and developed end-to-end SaaS platform for virtual PBX systems from prototype to production.

### **Key Responsibilities:**

- Architected and developed SSR-based platform, dashboard, and REST APIs;
- Built Visual Flow Builder for drag-and-drop IVR construction;
- Defined technology stack and managed deployment pipelines;
- Led product growth to first 500 users.

**Technologies:** React, Node.js, Express, MongoDB, AWS.

## **EDUCATION**

- **Master's degree, Economic Cybernetic**, Taras Shevchenko National University of Kyiv (2012 - 2014).
- **Bachelor's degree, Economic Cybernetic**, Taras Shevchenko National University of Kyiv (2008 - 2012).

