Oleksandr K.
Senior Senior Software Engineer

SUMMARY

- Senior Software Engineer with 7 years of experience building back-end and full-stack web applications. Worked on fintech, healthcare, and SaaS products;
- TypeScript and JavaScript. Experience with Node (Express, Koa, Fastify), React and Vue.js (including Vue 3), Nuxt, and Storybook; PostgreSQL schema design, and analytics-oriented querying.
- Operated containerized infrastructure with CI/CD;
- System design and implementation from the ground up with ownership from architecture to backend, frontend, and infrastructure; Authentication and role-based access control with stateless, security-first implementation details.
- Experience with multi-tenant platforms that require strict data isolation and have to meet GDPR and Swiss data protection requirements;
- Implemented and worked on highly regulated financial software and platforms, including MiCAR-compliant stablecoin platforms, blockchain integrations, as well as banking and SMTP integrations;
- Actively promotes accessibility and compliance standards (WCAG) and regularly participates in local meetups and hackathons. On-site hands-on product demos.

TECHNICAL SKILLS

Main Technical Skills	TypeScript, React, Node.js, JavaScript, PostgreSQL
Programming Languages	JavaScript, Kotlin, PHP, Python, TypeScript
AI & Machine Learning	AI
Mobile Frameworks and Libraries	Crashlytics
Android Libraries and Tools	Kotlin
JavaScript Frameworks	Next.js, Node.js, Nuxt, React, Vue.js
JavaScript Libraries and Tools	Vite
Data Analysis and Visualization Technologies	MapBox

Databases & Management Systems / ORM	Firebase, PostgreSQL, SQL
UI Frameworks, Libraries, and Browsers	Storybook
Azure Cloud Services	Azure Blockchain, Azure Key Vault
Industry Domain Experience	Blockchain
SDK / API and Integrations	API, SOAP API
BlockChain and Decentralized Software	Azure Blockchain
Deployment, CI/CD & Administration	CI/CD
Virtualization, Containers and Orchestration	Docker, Nomad, Terraform
Platforms	Firebase, SAAS
Mail / Network Protocols / Data transfer	IMAP, SMTP
Operating Systems	Linux
Third Party Tools / IDEs / SDK / Services	MailGun, Outlook
Other Technical Skills	Banking APIs, GDPR, Map APIs, Raw SQL, SMTP/IMAP

WORK EXPERIENCE

Software Engineer, Healthcare Product

Duration: Apr 2025 - Present

Summary: Development of a multi-tenant healthcare platform from scratch with full ownership of system architecture, backend, frontend, and infrastructure, focusing on GDPR compliance and secure medical data handling.

Responsibilities:

- Designed and built a multi-tenant healthcare platform from scratch, owning system architecture, frontend, backend, and infrastructure;

- Implemented silo-based multi-tenancy to ensure strict data isolation and compliance with GDPR and Swiss data protection requirements in clinical environments;
- Designed and implemented a dynamic game engine using runtime component loading, enabling rapid addition of new cognitive exercises without changes to core routing or logic;
- Built authentication and role-based access with a security-first, stateless design optimized for tenant isolation;
- Designed PostgreSQL schemas and analytics-focused queries to support patient history tracking and progress analysis;
- Deployed and operated the system using containerized infrastructure with per-tenant CI/CD pipelines.

Technologies: TypeScript, JavaScript, PostgreSQL, Docker, CI/CD, Containerized Infrastructure.

Software Engineer, Noumena Digital AG (Decentralized Fintech and Energy Tech)

Duration: Feb 2024 - Mar 2025

Summary: Contributed to a MiCAR-regulated EUR stablecoin platform, integrating blockchain, banking, and email services, as well as internal AI tooling.

Responsibilities:

- Developed core components of a MiCAR-regulated EUR stablecoin platform, supporting compliant access to on-chain financial infrastructure;
- Designed and implemented blockchain, banking, and email (SMTP) integrations, enabling reliable interaction between on-chain and off-chain systems;
- Integrated Noumena Protocol Language (NPL) into production workflows, reducing implementation complexity and improving automation;
- Worked closely with the NPL core team, providing implementation-driven feedback that influenced protocol features and developer ergonomics;
- Co-developed an internal, domain-specific AI assistant for the NPL language, enabling sales teams to create tailored product demos significantly faster and reducing demo preparation time from days to hours;
- Authored internal technical documentation and guides, improving onboarding quality and reducing dependency on tribal knowledge;
- Onboarded and supported new engineers, helping establish development patterns and best practices.

Technologies: TypeScript, JavaScript, Blockchain Systems, Banking APIs, SMTP, AI Tools.

Software Engineer, Avobis Group AG

Duration: Mar 2022 - Sep 2023

Summary: Modernized legacy applications and enhanced frontend infrastructure with a strong focus on performance and scalability.

Responsibilities:

- Led the migration of two legacy applications from Vue 1/2 to Vue 3, resulting in a significant reduction in bundle size and improved page load performance;

- Led the development of a shared Storybook system, improving onboarding efficiency and reducing cross-team coordination overhead;
- Designed and developed a new feature prototype, contributing to the acquisition of 11 new business clients within the first 6 months;
- Reviewed and optimized the application's map module, reducing monthly Mapbox costs by approximately 20%;
- Mentored a team of 3 engineers through 1:1s, code reviews, task breakdown, and estimation.

Technologies: Vue.js, Vue 3, Storybook, JavaScript, Mapbox.

Software Engineer, Folderly

Duration: Oct 2020 - Feb 2022

Summary: Worked on an email deliverability platform with real-time features and integrations with major email service providers.

Responsibilities:

- Developed core features of an email deliverability platform, including a free email warmup feature that contributed to a 16% increase in sales conversion;
- Designed and implemented integrations with major email providers (Mailgun, Outlook, IONOS), expanding platform integration coverage by 37.5%;
- Introduced real-time data updates using VueFire, increasing user engagement and session duration;
- Designed and built a high-traffic customer dashboard with email and SMS notification workflows;
- Redesigned and extended Firebase and backend API structures to support platform growth.

Technologies: JavaScript, Vue.js, VueFire, Firebase, SMTP, Email APIs.

Software Engineer, Avtandilovna

Duration: Feb 2019 - Aug 2020

Summary: Contributed to an early-stage startup by developing backend features and database structures.

Responsibilities:

- Designed and built core product features for an early-stage startup, including messaging, content (blog), and user feedback systems;
- Co-designed backend architecture and APIs, supporting core application workflows;
- Designed PostgreSQL schemas, procedures, and functions to support application data and business logic.

Technologies: PostgreSQL, SQL, Backend APIs.

EDUCATION

- **Bachelor's Degree in Cybersecurity & Computer Science**
  Igor Sikorsky Kyiv Polytechnic Institute
  2016 - 2020