Oleksandr K.
Senior Full-stack Engineer (Vue + Node.js)

SUMMARY

- A full-stack Typescript engineer with experience in SAAS, Enterprise, Fintech, Healthcare, and Games, end-to-end ownership, and ability to work fast.
- Seeking a challenging Senior Software Engineer position to deliver exceptional value to users and drive positive impact in our world, and apply extensive background in software engineering:
  - 7 years with PostgreSQL, Node.js (Express, Koa, Fastify), Nuxt, and Storybook.
  - 6 years with Vue.js (lead v1/v2->v3 migrations, VueFire, and Storybook component libraries, Game engine) and React.
- AWS, Azure, Serverless architecture (Lambdas); Containerized infrastructure, testing, performance, and CI/CD.

TECHNICAL SKILLS

Main Technical Skills	Node.js (6 yr.), Vue.js (6 yr.), TypeScript, PostgreSQL, React
Programming Languages	JavaScript, Kotlin, PHP, Python, TypeScript
AI & Machine Learning	AI
Mobile Frameworks and Libraries	Crashlytics
JavaScript Frameworks	Express, Fastify, jQuery, Koa.js, Next.js, Node.js (6 yr.), Nuxt, React, Vue.js (6 yr.)
Android Libraries and Tools	Kotlin
PHP Frameworks	Laravel
JavaScript Libraries and Tools	Quasar, Vite, VueFire, Vuetify, Vuex
Security	Auth0, Cybersecurity, RBAC
Data Analysis and Visualization Technologies	MapBox
Databases & Management Systems / ORM	Firebase, NoSQL, PostgreSQL, SQL, Supabase, Typeorm
UI Frameworks, Libraries, and Browsers	Ag Grid, Element UI, jQuery, Nuxt UI, Prime Vue, Storybook
Cloud Platforms, Services & Computing	AWS, Azure, Firebase, Serverless

Amazon Web Services	AWS EC2, AWS Lambda, AWS S3, AWS SNS, AWS SQS
Azure Cloud Services	Azure Blockchain, Azure Key Vault
Industry Domain Experience	Banking, Blockchain, Enterprise, Fintech, Healthcare, SAAS
Methodologies, Paradigms and Patterns	Accessibility Guidelines, GDPR, System Architecture, WCAG
SDK / API and Integrations	API, Banking API, JWT, SOAP API
Blockchain and Decentralized Software	Azure Blockchain
Third Party Tools / IDEs / SDK / Services	Bank Frick APIs, Banking APIs, Banking Circle APIs, IONOS, MailGun
Deployment, CI/CD & Administration	CI/CD, Jenkins
Virtualization, Containers and Orchestration	Docker, Nomad, Terraform
Mail / Network Protocols / Data transfer	Email Services, IMAP, JWT, Resend, Routing, SMS, SMTP
Version Control	Git, GitHub
QA, Test Automation, Security	Jest
Operating Systems	Linux
Project Management & Administration	Technical Documentation
Other Technical Skills	NPL (Noumena Protocol Language)

FULL-STACK WORK EXPERIENCE

Full-stack Engineer, Healthcare

Duration: Apr 2025 - April 2026

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 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.
- 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;

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

Full-stack engineer, Fintech / Energy Tech SAAS (Noumena Digital AG)

Duration: Mar 2022 - 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.
- 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: TypeScript, JavaScript, Blockchain Systems, Banking APIs, SMTP, AI Tools, Vue.js, Vue 3, Storybook, JavaScript, Mapbox.

Full-stack Engineer, Folderly (Email SAAS)

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.

Full-stack engineer, Marketplace (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