

Volodymyr I.

Full Stack Developer

Summary of Qualifications

I am a skilled and dedicated Full-Stack web developer with 7 years of experience in Node.js and JavaScript. I'm also master's in computer science. I know how to work through the entire project development cycle – from architecture selection to application deployment. I can write clean and readable code with OOP principles, make documentation, perform refactoring, cover code with unit tests, and conduct code reviews.

The main technologies that I used in my previous projects were Node.js, Express.js, Nest.js for BE and React.js, Angular.js, and Next.js for FE.

I have excellent communication skills, responsibility, perseverance, honesty, and a desire to learn new things. I am ready to apply these qualities in my work and contribute to the achievement of the company's goals.

Skills

Programming Languages/Technologies

- Software Architecture Design/UML/Reverse Engineering/Design Patterns
- Technical Documentation/Architecture Reports/Proposals/SRS
- JavaScript/TypeScripts
- XML/JSON/YAML
- Node.js
- Python
- HTML/CSS/SCSS/Sass
- SQL
- WebSocket

RDBMS

- MySQL Server
- PostgreSQL
- SQLite
- OracleSQL

NoSQL

- Firebase
- MongoDB

Virtualization Tools

- Docker

Methodologies

- Agile, Scrum, Kanban
- Pair Programming
- Test Driven Development, Feature Driven

Operating Systems

- SUSE Linux
- Debian/Ubuntu/LinuxMint
- MacOS

CI/CD

- GitHub CI/CD
- GitHub Actions

Frameworks/Libraries

- React.js
- Angular.js
- Nest.js
- Next.js
- Express.js
- TypeORM
- PrismaORM
- Redux
- Redux toolkit
- React hook forms
- React context
- Redux Saga
- JSX/TSX
- Material UI
- Bootstrap
- Tailwind CSS
- React Query
- Requests
- Selenium
- Joi
- You hook form
- Strapi
- Web3
- FastAPI
- Flask
- Django / DBR
- Graphana
- Prometheus

Application/Web Servers

- Nginx
- Apache
- Auth0

Cloud Providers

- AWS

Development Tools

- PyCharm

Versions Control

- Git
- GitHub
- GitLab

- WebStorm
- JETBrainsProducts
- Visual Studio
- VS Code

Testing Tools

- Postman
- Unittest, Mock
- React testing library
- Cypress
- CodeceptJS
- Jest

Experience

Project Description:

A scalable multi-tenant online platform serving 5+ brands from a single codebase. The platform consists of three main services: Frontend, CRM Service, and Backend Service. Designed to handle high-load real-time transactions, customizable UI/UX per brand, and robust monitoring and DevOps practices to ensure high availability and performance.

Domains:

Software Development

Involvement Durations:

2 years

Project Role:

Full Stack Developer

Responsibilities:

- Designed and implemented a microservices architecture using NestJS, achieving high availability and horizontal scalability across services;
- Optimized Docker containerization, reducing build context by 85% (from 482MB to 69MB), accelerating CI/CD pipelines and deployment speed;
- Developed an event-driven system with Kafka to process high-volume real-time transactions and bets efficiently;
- Implemented a comprehensive monitoring system with Prometheus and Grafana, enabling full observability across Frontend, Backend, and CRM services;
- Built automated alerting mechanisms for service downtime and high resource usage (>75% memory), improving operational reliability;
- Integrated frontend performance analytics to monitor and enhance client-side responsiveness;
- Developed a feature flag system to release new features safely without redeployment, supporting A/B testing and controlled rollouts;
- Implemented dynamic localization via database-driven translations, manageable through the CRM panel, enhancing multi-region support;
- Created a tenant template approach for the main frontend service, enabling brand-specific UI/UX customization;
- Developed distributed locking mechanisms using Redis to ensure data consistency across multiple service instances;
- Resolved critical production issues including memory leaks and OOM errors by optimizing Redis TTL configurations;
- Actively contributed to code reviews, performance optimization, and cross-team knowledge sharing, increasing overall platform reliability.

Project Team Size:

5-8 team members

Tools & Technologies:

Node.js, NestJS, Prisma ORM, Zod validation, React, Next.js (SSR), TypeScript, Tailwind CSS, Zustand, dynamic content management, Kafka, Redis, PostgreSQL, Docker, Kubernetes, AWS, Prometheus, Grafana, Stripe API.

Project Description:

Promly

The social platform is a mobile application designed to prevent suicide among children under 16. It is designed to create a safe environment where young users can communicate and develop using various interactive tools. The app includes a reward system, content moderation, chats, video chats, and personalized goals and objectives that promote positive behavior and social engagement. The app stands out for its scalability and ease of management, making it a powerful tool for achieving our mission of saving lives.

Domains:

Healthcare

Involvement Durations:

1 year

Project Role:

Full Stack Developer

Responsibilities:

- Developed and optimized frontend using React, Material UI, and TypeScript, enhancing user engagement for children under 16;
- Implemented backend features with NestJS and PostgreSQL to ensure secure, scalable data management;
- Designed and delivered a unique UI/UX tailored to young users, improving app retention and usability;
- Integrated real-time chat, video chat, and reward systems, increasing user interaction and engagement;
- Deployed APIs and integrated third-party services (AWS S3, AWS RDS, AWS Lambda, Cognito, Yoti, Spotify API) to streamline functionality;
- Implemented comprehensive bug fixes and code reviews to maintain high platform stability;
- Contributed to application deployment pipeline automation via GitHub Actions.

Project Team Size:

3-5 team members

Tools & Technologies:

Nest.js, React.JS, Material UI, TypeScript, PostgreSQL, TypeORM, Redis, AWS S3, AWS RDS, AWS Lambda, AWS Cognito, Amazon SQS, Redux toolkit, Yoti, Spotify API, GitHub, GitHub Action.

Project Description:

Manufacturing the globe's imagination

This project aims to radically transform the traditional understanding of economic systems by introducing an innovative combination of gaming elements and imagination culture, backed by powerful blockchain technology. We have created a system where economic interactions are not just transactions, but immersive gaming experiences that foster creativity and innovative thinking.

Domains:

Blockchain

Involvement Durations:

0,5 year

Project Role:

Full Stack Developer

Responsibilities:

- Improved system architecture for blockchain-enabled economic gaming platform, increasing scalability and transaction reliability;
- Developed frontend (React, Redux, RTK Query) and backend (Node.js, Express.js) components with TypeScript for seamless user experience;
- Integrated Ethereum blockchain network to support secure, transparent, and gamified economic interactions;
- Implemented innovative engineering solutions connecting gaming mechanics with economic transactions;
- Conducted API integrations and application deployment on Heroku;
- Optimized system performance, resolved critical bugs, and conducted thorough code reviews;
- Managed Redis caching for faster response times and improved system reliability.

Project Team Size: 3-4 team members

Tools & Technologies: React.JS, Node.js, Express.js, TypeScript, Redux, Redux Toolkit, Axios, RTK Query, MongoDB, MongoDBR, Mongoose, web3, Blockchain, Redis, Heroku, GitHub.

Project Description:

Platform for connection vendors with homeowners

A system that will guide a homeowner through a curated process that reduces the amount of time the homeowner needs to invest in finding a capable and honest company to complete a project. Through community involvement, homeowners will be able to learn from each other's projects and help each other learn more about home improvement, design, etc. This system will allow service providers (SPs) and vendors to connect with homeowners to help the homeowner complete the project.

Domains: Freelance Marketplace

Involvement Duration: 1 year

Project Role: Full Stack Developer

Responsibilities:

- Designed and developed system architecture to connect service providers with homeowners efficiently;
- Implemented frontend (Next.js, TypeScript) and backend (NestJS, Prisma, PostgreSQL) functionality for user-friendly project management;
- Developed API integrations and deployed platform on AWS ECS/RDS/S3, ensuring high availability and scalability;
- Built features supporting community interactions and vendor selection, reducing homeowners' search time;
- Conducted unit testing and bug fixes to ensure stable production releases;
- Performed code reviews and optimized system performance, including Redis caching for consistency.

Project Team Size: 2-3 team members

Tools & Technologies: Nest.js, Next.js, TypeScript, PostgreSQL, Prisma, Redis, AWS ECS, AWS S3, AWS RDS, Auth0, Terraform, Docker.

Project Description:

Application for testing skills in programming

The aim of this project is to develop a comprehensive application that enables users to test their programming skills in various programming languages through interactive tests. The application provides a platform for individuals to assess their knowledge and proficiency in different programming languages, thereby aiding them in identifying areas for improvement and further learning.

Domains: Education

Involvement Duration: 1 year

Project Role: Full Stack Developer



Responsibilities:

- Enhanced system architecture to support scalable, multi-language programming skill tests;
- Developed frontend (React, Redux) and backend (Node.js, Express, PostgreSQL) for smooth interactive user experience;
- Implemented blockchain integrations and Web3 authentication (MetaMask login) for secure and innovative user interactions;
- Built API integrations and deployed application using Docker for reliability and portability;
- Designed new features to assess and track users' skill levels effectively;
- Conducted unit testing, bug fixing, and code reviews to maintain high-quality standards.

Project Team Size: 5-6 team members

Tools & Technologies: Node.js, Express, TypeScript, PostgreSQL, React, Redux, Redux toolkit, Axios, Blockchain,

	Docker, Strapi.
Project Description:	Application for delivery of food from the restaurants chain Designed and developed a food delivery application for a chain of Georgian restaurants resulting in increased revenue and customer retention. Implemented real-time tracking of orders and deliveries, allowing customers to track their orders from start to finish. Implemented payment system User interface, loyalty program.
Domains:	Food Delivery
Involvement Duration:	1,5 years
Project Role:	Full Stack Developer, DevOps
Responsibilities:	<ul style="list-style-type: none"> ▪ Developed customizable order system allowing users to select ingredients and cooking preferences, improving user satisfaction; ▪ Integrated multiple payment gateways (credit/debit cards, PayPal), providing seamless and secure transactions; ▪ Designed unique UI/UX, increasing customer engagement and repeat orders; ▪ Developed and implemented loyalty program, resulting in higher customer retention; ▪ Enhanced system architecture and implemented new features to improve platform performance; ▪ Managed API integrations, AWS infrastructure (ECS, EC2, RDS, SDK), and deployment pipelines; ▪ Conducted unit testing and bug fixes to ensure high availability and reliability of delivery operations.
Project Team Size:	3-4 team members
Tools & Technologies:	Node.js, Express, TypeScript, PostgreSQL, React, Redux toolkit, JSX, AWS ECS, AWS EC2, AWS RDS, AWS SDK, Docker, Unittest, Postman.

Certificates	JavaScript Complex OktenWeb University, Lviv	
	JavaScript Core Training Course Epam, Lviv	

Education	Master's degree Lviv Polytechnic National University, Lviv Computer Science
	Bachelor's degree Lviv Polytechnic National University, Lviv Computer Science

Languages	English: Advanced
	Ukrainian: Native
	Russian: Native