

# Oleg C.

## Architect/Team-lead Senior Full-Stack Engineer, Lead

### SUMMARY

Versatile Full Stack Engineer/Lead with over 6 years of experience, specializing in creating robust web platforms and SaaS applications. Expertise in TypeScript, JavaScript, SQL, and a range of backend technologies including NestJS, Express, and TypeORM. Proficient in database management with Postgres, MySQL, MongoDB, and utilizing Redis and similar key-value stores, Familiar with AWS, GCP, and Azure. Skilled in CI/CD pipelines, Docker, caching, and queuing mechanisms, along with comprehensive testing abilities using Jest and Postman. A strong grasp of software architecture, particularly in microservices and event-driven systems, with a background in developing financial systems, IoT, and productivity tools.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	TypeScript (5 yr.), JavaScript (5 yr.), SQL (5 yr.), NestJS (5 yr.), Express (5 yr.)
<b>Programming Languages</b>	JavaScript (5 yr.), TypeScript (5 yr.)
<b>JavaScript Frameworks</b>	Backbone.js, Express (5 yr.), NestJS (5 yr.)
<b>AI &amp; Machine Learning</b>	OpenAI
<b>Databases &amp; Management Systems / ORM</b>	SQL (5 yr.)
<b>Amazon Web Services</b>	AWS ELB, AWS SQS
<b>Azure Cloud Services</b>	Microsoft Azure API
<b>BlockChain and Decentralized Software</b>	Bitcoin Blockchain
<b>Deployment, CI/CD &amp; Administration</b>	CD DevOps pipelines (5 yr.)
<b>Collaboration, Task &amp; Issue Tracking</b>	Jira (5 yr.)

<b>Methodologies, Paradigms and Patterns</b>	microservices, SSR
<b>SDK / API and Integrations</b>	Microsoft Azure API
<b>Message/Queue/ Task Brokers</b>	RabbitMQ
<b>Operating Systems</b>	Unix
<b>Mail / Network Protocols / Data transfer</b>	WebSockets
<b>Other Technical Skills</b>	CRM, Facebook Ads API, Queues, RDS (5 yr.), SSE

## **BIDEL (FIAT EXCHANGE PLATFORM) - FULL-STACK DEVELOPER, TECH LEAD**

**Duration:** Dec 2024 - Present

**Technologies:** NestJS, PostgreSQL, RabbitMQ, Redis, AWS, Datadog

**About the project:** Fiat exchange platform with microservice, event-driven architecture.

### **Responsibilities:**

- Designed and led development of the platform architecture
- Built modular integrations for KYC, Twilio (SMS and conference calls), payment processing, exchange rate services, and analytics
- Implemented system monitoring, rate limiting, WAF, and Redis-based caching and security layers

## **PEERPE (P2P FIAT APPLICATION) - BACKEND TEAM LEAD**

**Duration:** Jan 2024 - Oct 2025

**Technologies:** NestJS, PostgreSQL, AWS (ELB, RDS, SQS), Redis

**About the project:** P2P fiat platform enabling peer-to-peer transactions.

### **Responsibilities:**

- Led a backend team of three developers to build the platform from scratch
- Designed and implemented the full order lifecycle, including dispute resolution and auto-cancellation logic
- Developed customer support system and real-time chat functionality using WebSockets



## **TASKPULSE (TASK MANAGEMENT SYSTEM) - BACK-END DEVELOPER**

**Duration:** Mar 2024 – Mar 2025

**Technologies:** NestJS, PostgreSQL, Redis, Azure, OpenAI

**About the project:** Task management and productivity platform with integrated email and AI features.

### **Responsibilities:**

- Built the full backend for the platform
- Developed Pomodoro tracker with real-time WebSockets
- Integrated Gmail/Outlook APIs for unified inbox feature
- Implemented database encryption for sensitive data
- Integrated OpenAI with strictly typed responses

## **LUMINEX (IOT PROJECTOR MANAGEMENT) - BACKEND TEAM LEAD**

**Duration:** Apr 2024 – Jul 2024

**Technologies:** NestJS, MongoDB, PostgreSQL, Redis

**About the project:** IoT-based projector system management platform.

### **Responsibilities:**

- Led a backend team of 2-3 developers
- Designed CRM and client application architecture
- Integrated payment systems and implemented subscription and appointment booking workflows

## **FIRBO IO (DEVELOPER PRODUCTIVITY ANALYTICS) - BACKEND LEAD**

**Duration:** Feb 2023 – Present

**Technologies:** NestJS, PostgreSQL, GCP, Redis

**About the project:** Platform that integrates with developer tools to analyze work evidence, identify outliers, and provide productivity insights.

### **Responsibilities:**

- Led backend development and integrations with Jira, Google, GitHub, and Bitbucket
- Managed and processed large datasets for evaluation algorithms
- Implemented daily auto-update tasks and custom SQL queries for analytics charts
- Developed Docker automation scripts and backend obfuscation workflows



## **PUZZLEPIZZA (KITCHEN MANAGEMENT SYSTEM) - BACK-END DEVELOPER**

**Duration:** May 2022 – Feb 2023

**Technologies:** NestJS, PostgreSQL, AWS, Stripe, Square, Redis, Monorepo

**About the project:** Kitchen management system with mobile and self-terminal backends.

### **Responsibilities:**

- Developed database schema and architecture from scratch
- Handled client, admin, and printer services
- Integrated POS terminals and printers
- Integrated Stripe/Square payments and implemented SSR admin panel

## **AMRES / NEXTRES (INVESTMENT LENDING PLATFORM) - BACKEND DEVELOPER / TEAM LEAD**

**Duration:** Jan 2022 – May 2022

**Technologies:** Node.js, NestJS, Express, Carbone.io, MongoDB, PostgreSQL, AWS

**About the project:** Multi-service investment lending platform.

### **Responsibilities:**

- Supported and extended platform functionality
- Developed admin panel for document generation (management, sorting, attribute matrices, template conversion to DOCX/PDF)
- Implemented e-signature service with platform integration, step logs, and email notifications

## **FATSTER / NUTRIMIS (SOCIAL FITNESS APP) - BACK-END DEVELOPER**

**Duration:** Aug 2021 – Jan 2022

**Technologies:** NestJS, Express, TypeScript, PostgreSQL, WebSockets, AWS

**About the project:** Social fitness app aimed at weight loss.

### **Responsibilities:**

- Supported and enhanced backend functionality
- Implemented WebSocket chat server and optimized SQL queries
- Automated build process via Jenkins and improved server architecture
- Added premium features (subscriptions, in-app purchases, user statistics)

## **CPAYMENTS (CRYPTOCURRENCY EXCHANGE) - BACK-END DEVELOPER**

**Duration:** Apr 2021 – Aug 2021

**Technologies:** NestJS, Express, TypeScript, PostgreSQL, SSE



**About the project:** Upgrade of an existing cryptocurrency exchange platform.

**Responsibilities:**

- Developed Bitcoin buy/sell functionality
- Designed database schema and built client and admin backends
- Implemented callback server and launched Bitcoin node
- Added real-time updates using Server-Sent Events (SSE)

**TRAFFICAPPS (MOBILE APP ADVERTISING PLATFORM) - BACK-END DEVELOPER**

**Duration:** Dec 2020 – Aug 2021

**Technologies:** NestJS, Express, TypeScript, MySQL, AWS (EC2, RDS, S3, SES)

**About the project:** Platform for mobile application advertising.

**Responsibilities:**

- Built REST APIs and payment integrations (fiat/crypto)
- Worked with Facebook Ads Manager
- Implemented traffic filtering settings based on various parameters
- Developed SSR admin panel

**TEST ORCHESTRATOR (CI TESTING FRAMEWORK) - BACK-END DEVELOPER**

**Duration:** Aug 2020 – Mar 2021

**Technologies:** NestJS, Express, TypeScript, MySQL, AWS (EC2, SES)

**About the project:** Framework for managing unit and UI tests in Continuous Integration (CI).

**Responsibilities:**

- Designed backend architecture and database schema
- Integrated open-source frameworks for virtual device test execution
- Managed backend and frontend deployments

