



OLEKSII ZAITSEV

Senior Software Engineer | Full Stack Developer

Bamberg, Germany
alexey.job.connect@gmail.com
linkedin.com/in/alexbreez
github.com/I-Lotus
alexeyzaitsev.com

PROFILE

Senior Software Engineer with over 9 years of professional software development experience. Have strong knowledge of object-oriented design, data structures, and algorithms. Specialise in designing and building large-scale systems in multi-tiered, distributed environments. Proven expertise in developing high-performance applications and scalable solutions in B2B sectors, including e-healthcare, advertising, web3, high-load data processing, SaaS, and e-commerce. Committed to clean code practices and mentoring teams to achieve outstanding results.

SKILLS

TypeScript, JavaScript, NestJS, React, Next.js, Redux.js / MobX / Zustand, NestJS, Node.js, Express.js, OOP, MikroORM / TypeORM / Mongoose, PostgreSQL, Redis, MongoDB, Angular, AngularJS, HTML5 / CSS3 / SAAS / SCSS, Jest, Jasmine, Software design and architecture, Docker, RESTful API, GraphQL, Git, RabbitMQ, Apache Kafka, Microservices, SaaS, Strapi, ClickHouse, BullMQ

EDUCATION

National Aerospace University (KHAU)
Bachelor's degree, Computer engineering

2013 - 2017
Kharkiv, Ukraine

PROFESSIONAL EXPERIENCE

Fundraise Up. · Senior Software Engineer (Full Stack)
United States, <https://fundraiseup.com>

Jan 2025 - Present
Full-time · Remote

- **Technical Design & Architecture:** Authored comprehensive technical design documents for new product features, ensuring scalability, maintainability, and smooth integration into the existing architecture.
- **CRM Integration Enhancements:** Expanded and optimized integrations with major third-party CRM platforms, improving data synchronization reliability, reducing API error rates, and enabling faster onboarding of enterprise clients.
- **Automated Testing Coverage:** Developed extensive unit tests for both backend and frontend components, raising test coverage and significantly reducing production regressions.
- **Technology Modernization:** Refactored and migrated legacy modules to modern frameworks and tools, unifying the tech stack, reducing maintenance overhead, and accelerating feature delivery.

Technologies: NestJS, TypeScript, Node.js, Microservices, Design Patterns, Docker, HTML5, Socket.io, SASS, Apache Kafka, BullMQ, React, Vue, CSS3, Web Development, Jest, JavaScript, Full-Stack Development, OOP, Systems Design, MongoDB, ClickHouse

Mozverse Inc. · Senior Software Engineer (Full Stack), Team Lead
United States, <https://mozverse.com>

Oct 2021 - Dec 2024 · 3 yrs 3 mos
Full-time · Remote

- **Product & Systems Development:** Led full-cycle development of Web3, e-health, and data-driven SaaS products. Designed cloud-native, microservice-based architectures with event buses and streaming data pipelines powered by Apache Kafka, handling 200K+ concurrent requests/sec.
- **Web3 & Financial Infrastructure:** Delivered NFT marketplaces, ERC-20 token ecosystems and crypto-wallet integrations. Built a CU-based microservice IAM for decentralized identity, reducing authentication latency.
- **E-Health SaaS Platform:** Designed a HIPAA-compliant multi-tenant backend with strict data separation and audit trails, streamlining onboarding for new clinics.
- **Real-Time Personalization & Audience Targeting:** Created a recommendation engine that ingests pixel streams in real time, enriches user profiles and improves campaign effectiveness across ad platforms.
- **Data Engineering & AI Integration:** Developed data pipelines on Elasticsearch, ClickHouse and LangChain to accelerate query performance and enable AI-driven retrieval and analytics.

- Frontend & Backend Engineering: Built reusable UI libraries (React, Next.js, Angular) to speed up feature delivery. Developed REST/GraphQL APIs, BFFs and asynchronous job systems (NestJS, Kafka, RabbitMQ) capable of processing very large event streams.
- DevOps & Cloud Automation: Implemented CI/CD with GitHub Actions, Docker, AWS (ECS, Lambda, S3), shortening deployment cycles and lowering rollback risk.
- Leadership & Optimization: Led and mentored a distributed engineering team: set sprint goals, decomposed epics into actionable tasks, and balanced workloads. Introduced code-quality gates that improved release stability, while performance tuning and infrastructure right-sizing decreased cloud expenditure.

Technologies: NestJS, TypeScript, Node.js, PostgreSQL, WebSocket, Microservices, Design Patterns, Software as a Service (SaaS), Docker Products, Amazon Web Services (AWS), HTML5, Socket.io, Continuous Integration and Continuous Delivery (CI/CD), Scalable Architecture, SASS, Apache Kafka, Python (Programming Language), BullMQ, React, CSS3, Web Development, Cypress, Jest, JavaScript, Full-Stack Development, OOP, Blockchain, RabbitMQ, Next.js, Systems Design, MongoDB, LangChain, Elasticsearch, ClickHouse, Web3

Geeksters Agency

Kharkiv, Ukraine, <https://www.linkedin.com/company/geeksters-io/>

Jun 2019 - Oct 2021 · 2 yrs 5 mos

Full-time · On-site

Senior Software Engineer (Full Stack), Team Lead

Jan 2021 - Oct 2021 · 10 mos

- Led code reviews and mentored junior developers, promoting engineering excellence and best practices, planning sprint goals, decomposing epics into actionable tasks, and distributing workload across a distributed team of engineers.

Senior Software Engineer (Full Stack)

Jun 2019 - Dec 2020 · 1 yrs 7 mos

- Automated CI/CD pipelines with GitHub Actions and Docker, accelerating deployments and reducing release errors.
- Designed a mobile-optimized license-plate validation workflow: React PWA for photo capture, OCR integration, and driver-license status verification via REST APIs and PostgreSQL.
- Built backend services for a multi-platform advertising management system: campaign orchestration, custom tracking pixels, and real-time performance dashboards.
- Implemented an end-to-end job-search platform, integrating search, filtering, and user-management features with Node.js and Elasticsearch.
- Developed and maintained a personalized astrology forecast API, integrating third-party data providers.
- Created a lightweight ETL service to convert file formats between systems, supporting both scheduled and on-demand workflows.
- Contributed external modules to a smart-city infrastructure initiative in Belgium, enabling interoperability with municipal systems through standardized REST/GraphQL interfaces.
- Delivered a full-stack e-commerce website (React, NestJS, PostgreSQL) featuring catalog, cart, order management, and payment integration.
- Wrote comprehensive unit and integration tests with Jest and Cypress, improving code reliability and user experience.

Technologies: TypeScript, NestJS, Node.js, Microservices, Git, Docker Products, Express.js, MikroORM, Amazon Web Services (AWS), HTML5, Continuous Integration and Continuous Delivery (CI/CD), PostgreSQL, BullMQ, React, CSS3, Redux.js, Web Development, Cypress, Jest, JavaScript, Full-Stack Development, OOP, Systems Design, MongoDB, Elasticsearch, MobX, Scalable Architecture

Videal LLC · Software Engineer (Frontend)

Kharkiv, Ukraine, <https://videal.com>

Jan 2018 - Jun 2019 · 1 yr 6 mos

Full-time · On-site

- Developed customizable and reusable UI components for an e-commerce platform using React, Redux, TypeScript, and SASS, enhancing product interactivity and maintainability.
- Built complex UI modules for data workflow visualization, enabling users to manipulate graph-based structures where each node represented a dynamic, user-defined action.
- Optimized rendering performance through memoization and state management best practices, improving responsiveness and reducing re-renders.
- Collaborated closely with the backend team (Node.js, Express.js) to define API contracts and ensure seamless integration.

- Wrote unit tests using Jasmine and contributed to debugging efforts across the app using browser dev tools and logging strategies.

Technologies: Design Patterns, Git, Express.js, HTML5, Socket.io, Jasmine, SASS, TypeScript, React, CSS3, Moment.js, Redux.js, Web Development, JavaScript, OOP, Bootstrap, Apollo GraphQL

Devart - Software Engineer (Full Stack)

Kharkiv, Ukraine, <https://www.devart.com>

Aug 2016 - Dec 2017 · 1 yr 5 mos

Full-time · On-site

- Developed and maintained UI components using TypeScript, React, AngularJS, Angular, improving user interface consistency and maintainability.
- Collaborated within a cross-functional team of 8 (developers, testers, product owners) using Agile/Scrum to deliver customer-centric features, increasing product usability and satisfaction.
- Designed and implemented RESTful APIs and core business logic using C# and ASP.NET MVC; established automated testing across multiple system layers (unit and integration).
- Participated in the development of a cross-browser web extensions, improving product accessibility and feature reach.
- Developed unit and integration tests, ensuring application stability and consistent user experience.

Technologies: TypeScript, React, AngularJS, C#, ASP.NET MVC, Entity Framework, MSSQL, OOP, HTML, CSS, Git, Jasmine, Mocha, SCSS, SignalR

LANGUAGES

English - Upper-intermediate

German - Elementary

Ukrainian - Native

Russian - Native

ADDITIONAL INFORMATION

Work Authorization: Authorized to work in Germany without sponsorship.

Willingness to Relocate: Open to relocation within Germany.