

Ilia Boiko

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Lead Full-Stack Software Engineer

Results-driven lead full-stack software engineer with 10+ years of experience in designing, building and scaling software products. Proven track record in leading high-performing teams, re-architecting systems to enhance product stability and security. Expertise in full-stack development with modern technologies including Python, Django, FastAPI, TypeScript, React, NestJS, PostgreSQL, MongoDB, AWS and GraphQL. Passionate about domain-driven design (DDD), distributed systems and fostering strong development cultures through Agile/Scrum methodologies.

Skills

- **Software Development:** Python, Django, FastAPI, TypeScript, React, Redux, Next.js, NestJS, Apollo GraphQL, Node.js, Jest, React Testing Library.
- **Databases & Cloud:** PostgreSQL, MongoDB, RabbitMQ, Prisma, Redis, AWS, GCP.
- **DevOps & Tools:** Nx, Docker, CI/CD, Git, Github Actions.
- **Development Practices:** Agile/Scrum, TDD, System Design, Microservices Architecture, Domain-Driven Design (DDD).
- **Languages:** Fluent in Russian and English.

Professional Experience

Bazaar Origin

Lead Full-Stack Software Engineer

Remote

October 2023 – Present

- Led a full-scale project reboot, transforming a struggling startup into a stable, scalable product.
- Built and managed a high-performing 11-member cross-functional team (frontend, backend, QA and design), fostering cross-functional collaboration and improving development and release workflows to enhance product quality.
- Established Agile/Scrum practices and implemented and set up CI/CD pipelines, improving team performance by 20%.
- Re-architected system components to address security and performance bottlenecks, boosting system performance by 60% (component-dependent) and reducing technical debt by 80%.
- Designed and implemented critical frontend and backend components, ensuring scalability and maintainability.
- Led the development of a Telegram spam prevention bot, reducing moderation team efforts by 90%.

Tech stack: Python, Django, PostgreSQL, MongoDB, Docker, RabbitMQ, TypeScript, NestJS, AWS, Next.js, React, Jest, React Testing Library, and Apollo GraphQL.

SupportLogic.com

Senior Full Stack Engineer

Remote

April 2022 – October 2023

- Developed a new email support app, expanding company's core product capabilities.
- Improved and maintained the company's component library, optimizing usage patterns in a core product. Introduced TDD and enhanced linting configurations, led improving of TypeScript interfaces, thus reducing code review time by 30%.
- Led the development of a local dev environment project, reducing developer onboarding time by 40%.
- Architected and led development of an automated customer onboarding product, accelerating the onboarding process by 90%.
- Resolved tech debt in a newly acquired product, improving both frontend and backend by refactoring raw SQL-heavy code and fixing architectural issues.

Tech stack: TypeScript, React, Jest, React Testing Library, Python, FastAPI, Django, PostgreSQL, Redis, Docker, GCP.

Genea

Senior Full Stack Engineer

Remote

September 2017 – April 2022

- Built a microservice to integrate 4 third-party camera providers, enabling future integrations with ease, and added live video support to the frontend application, contributing to securing deals with 3 new customers, including Shopify.
- Improved the frontend application code structure and Webpack configuration, reducing the build time by 60%, the bundle size over 2x, the codebase size by 15%, and the app loading time by 40% for new visitors and over 6x for returning ones.
- Raised the frontend application's unit test coverage from 0% to 80%, thus reducing bugs by 20% on average.
- Completely revamped the frontend application design (at the CEO's request), significantly reducing the technical debt in the process.

Tech stack: TypeScript, React, Redux, Jest, Python, FastAPI, NestJS, PostgreSQL, RabbitMQ, Docker, Heroku.

Additional Experience

- **mySocial, Senior Full Stack Engineer:** React, Redux, TypeScript, Firebase, Google Cloud Functions.
- **Soshace.com, Middle/Senior FullStack Developer:** MongoDB, AngularJS, ExpressJS.
- **GTFlux TV/Avodn: Junior/Middle JS Developer:** MongoDB, ExpressJS, BackboneJS, MySQL, Ruby-on-Rails.

Education

- **KnASTU**

B.S. Mathematics and Computer Science (GPA: 4.4/5)

Komsomolsk-on-Amur, Russia

September 2008 – June 2012