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

Professional Experience

Bazaar Origin   *Thailand, Remote*
Lead Full Stack Software Engineer   *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, JavaScript, WebSocket, NestJS, NodeJS, AWS, Next.js, i18n, React, CSS, SASS, Jest, React Testing Library, and Apollo GraphQL.

SupportLogic.com   *USA, CA, Remote*
Senior Full Stack Engineer   *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, JavaScript, React, CSS, SASS, Jest, React Testing Library, Python, FastAPI, Django, PostgreSQL, Redis, Docker, GCP.

GetGenea.com   *USA, CA, Remote*
Senior Full Stack Engineer   *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, JavaScript, WebSocket, React, CSS, SASS, Redux, Jest, Python, FastAPI, NestJS, NodeJS, PostgreSQL, RabbitMQ, Docker, Heroku.

Additional Experience

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

Education

- **KnASTU**   **Komsomolsk-on-Amur, Russia**
  B.S. Mathematics and Computer Science (**GPA:** 4.4/5)   *September 2008 – June 2012*