
ILYA KOLODIN

Software Engineer, **5+ years** experience
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ABOUT

Software Engineer with **5+ years** of commercial experience, targeting **Senior Software Engineer** roles in product or platform teams. Owns the full development cycle from requirements to production monitoring: decomposed monolithic systems into microservices, optimized backend performance cutting API response times by up to **33%**, and reduced release cycles from **weeks to days** through end-to-end CI/CD ownership. Worked in Agile/Scrum teams of up to 40 engineers, translated business requirements into technical scope, and mentored junior developers.

SKILLS

Frontend: TypeScript, JavaScript (ES6+), React, Next.js (App Router, SSR, Server Actions), HTML5, CSS3, Tailwind CSS, Core Web Vitals, a11y • **Backend:** Node.js, NestJS, Express, Fastify, REST API, GraphQL, tRPC, JWT, OAuth 2.0, API security & validation, PostgreSQL, MongoDB, Redis • **DevOps:** Docker, Kubernetes, GitHub Actions, Nginx, AWS (EC2, S3, RDS), Vercel, Linux • **Tools:** Git, npm, pnpm, Turborepo, Zod, Jest, Vitest, Playwright, Cypress, Claude Code, AI APIs

EXPERIENCE

GAZPROM: 04/2023 – PRESENT, 3+ YEARS • *Software Engineer*

- Built core logic of an investment analysis platform using TypeScript (Node.js) and exposed it via REST API, reducing investment planning time by **41%** and improving decision efficiency by **14%**
- Architected a distributed data ingestion service using Node.js and RabbitMQ, integrating **53+** upstream services with validation and retry logic, reducing processing time from **21 days** to **3 days** and lowering error rates by **94%**
- Improved system performance by optimizing data processing and database queries, reducing API response time by **33%** and lowering database load by **39%** through caching strategies
- Migrated a monolithic application to a microservices architecture, increasing system scalability and reducing service downtime by **29%**
- Implemented CI/CD pipelines and containerized deployment workflows, reducing release cycle time from **13 days** to **1.5 days**

Technologies: TypeScript, Node.js, React, REST API, PostgreSQL, Redis, Docker, Kubernetes, RabbitMQ, GitLab CI/CD

XYLEM: 08/2018 – 01/2023, 4+ YEARS • *IT Technical Support / Software Engineer*

- Resolved **500+** technical issues in a web-based equipment selection system, identified recurring failure patterns and contributed to system improvements, increasing customer satisfaction by **15%**
- Developed automation tools for technical documentation generation, producing **300+** reports/month and reducing manual errors by **91%**
- Developed data-driven pricing workflows with reusable business logic, reducing calculation time by **48%**
- Designed and implemented data extraction pipelines (NoSQL, PostgreSQL) for product certification, improving processing speed by **31%**
- Automated localization workflow and created domain-specific glossary, enabling localization of **100+** web pages and reducing translation time by **39%**

Technologies: TypeScript, JavaScript, Node.js, REST API, PostgreSQL, MongoDB, HTML, CSS

EDUCATION

BAUMAN MOSCOW STATE TECHNICAL UNIVERSITY — BACHELOR, 2014–2018
Information and computer science

BAUMAN MOSCOW STATE TECHNICAL UNIVERSITY — MASTER, 2018–2020
Information and computer science