Sergei Petrov

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SUMMARY

Senior Software Engineer with 6+ years of experience in architecting distributed web systems using JavaScript, TypeScript, React and Node.js. Focuses on reducing operational overhead through automation and performance enhancements. Delivered solutions that eliminated 80% of manual workflows and improved system throughput by 85% across production-grade environments. Experienced in aligning system architecture with business objectives and maintaining long-term maintainability across multi-service deployments.

WORK EXPERIENCE

Senior Full Stack Engineer | Velte Tech | 08/2024 - 02/2025

- Spearheaded website performance overhaul through optimized React rendering and lazy loading, improving speed by 45% and boosting user retention by 20%.
- Architected internal dashboard with Next.js and Node.js, accelerating product team workflows by 35%.
- Engineered RESTful APIs and microservices to enable multi-tenant features, increasing system scalability by 50%.
- Established integration testing with Cypress, reducing post-release bugs by 30% and shortening QA cycles by 25%.
- Rolled out e-commerce modules using React.js and Express.js, increasing online sales conversion by 18%.
- Refactored monolithic services into modular REST APIs with Node.js and PostgreSQL, cutting infrastructure costs by 22%.

Full Stack Developer | VYAPAR | 01/2022 - 07/2024

- Instituted a reusable component library, improving maintainability and reducing development time by 40%.
- Developed and deployed e-commerce features using Python and Django, improving transaction processing speed by 45% and enabling 30% higher order volume.
- Automated continuous deployment workflows via GitHub Actions and Docker, shortening release cycles by 60%.
- Championed weekly code reviews to enforce best practices, raising code quality scores by 35% and reducing bugs by 20%.
- Crafted interactive web interfaces with HTML, CSS, and JavaScript to support internal operations, improving operational efficiency by 25%.
- Converted functional requirements into prototypes and production-ready solutions, cutting delivery time by 30%.
- Revamped internal tools with a focus on UX, increasing employee adoption by 40%.

Full Stack Developer | Kwork | 04/2018 - 01/2022

- Drove feature updates, bug fixes, and testing cycles, enhancing release stability by 28%.
- Engaged non-technical stakeholders to integrate feedback and iterate on UI, raising user satisfaction scores by 32%.
- Orchestrated database migration and optimization (PostgreSQL), improving query performance by 55% and reducing storage costs by 18%.
- Implemented monitoring and observability stack (Prometheus & Grafana), decreasing mean time to detection by 70% and mean time to resolution by 40%.
- Led cross-team onboarding and technical documentation initiative, shortening ramp-up time for new hires by 45% and increasing sprint throughput by 22%.
- Piloted an A/B testing framework for frontend experiments, increasing feature adoption by 27% and conversion on tested pages by 15%.

SKILLS

JavaScript, TypeScript, React, Next.js, Node.js, Express.js, Nest.js, HTML, CSS, SCSS, Tailwind CSS, Python, Django, PHP, Laravel, Symfony, Rust, React Native, Flutter, Three.js, GSAP, MySQL, PostgreSQL, MongoDB, Firebase, MSSQL, WordPress, Zapier, N8N, Make

EDUCATION

Bachelor's Degree | Computer Science | 09/2021 - 06/2025