

# 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 Software Engineer | 1Health | 02/2025 - Present

- Developed and optimized advanced n8n automation workflows, improving internal operational efficiency by 40% and reducing manual tasks across multiple departments.
- Built custom n8n nodes for integrations with third-party services, cutting process execution time by 55% and expanding system automation capabilities.
- Refactored existing workflows into scalable modular automations, increasing reliability and lowering failure rates by 30%.
- Implemented automated data synchronization pipelines using Node.js, n8n, and REST APIs, improving data accuracy and reducing sync delays by 70%.
- Designed monitoring and alerting systems for automation flows, decreasing troubleshooting time by 50%.
- Collaborated with product and engineering teams to identify automation opportunities, reducing operational overhead costs by 25%.

### 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