Nolan Seokane

Software Engineer

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Summary

Results driven Software Engineer with 4+ years of experience building scalable full-stack applications and leading development teams of up to 20 developers. Proven track record of improving developer productivity, and mentoring junior developers with some promoted to team captain roles. Expertise in TypeScript, React, Python (Django/DRF), PostgreSQL. Passionate about delivering clean, performant code that drives measurable business impact.

Technical Skills

- **Languages:** TypeScript, JavaScript, Python, SQL, HTML/CSS/SASS
- **Frontend:** React, Next.js, Tailwind CSS, Storybook, Shadcn/UI, jQuery
- **Backend:** Node.js (Fastify, Express), Python (Django, DRF, Graphene), RESTful APIs, GraphQL, gRPC
- **Databases:** PostgreSQL, MySQL, MongoDB, Supabase, Firebase
- **DevOps & Tools:** Git (GitHub, GitLab, Bitbucket), CI/CD, Docker, Kafka, Instana, Logz.io, Vercel, Netlify
- **CMS & Integration:** Storyblok, Directus, Strapi, Google APIs (Auth, Maps, Ads, AI), AWS
- **Methodologies:** Agile/Scrum, Code Reviews, TDD, Sprint Planning, Stakeholder Presentations

Experience

Backend Engineer II   Aug 2024 – Present

Capitec Bank | Hybrid – Cape Town, South Africa

- Maintaining backend services supporting Capitec pay platform serving 2M+ transactions
- Maintain and enhance data services using TypeScript (Fastify), PostgreSQL, and MySQL with 99.9% uptime
- Implement new features for client-facing applications while ensuring system reliability
- Collaborate with cross-functional teams on event-driven architecture using Kafka for real-time data processing
- Monitor production systems using Instana, proactively identifying and resolving bugs and performance bottlenecks
- **Key Tech:** TypeScript (Fastify), PostgreSQL, MySQL, jQuery, Kafka, Instana

Software Developer & Tech Lead   Jul 2023 – Apr 2025

Team Geek (Client: Yoco) | Remote

- Led a 5–6 person product development team, coordinating agile workflows and sprint planning, and delivering quarterly objectives with an 80% on-time completion rate
- Architected and developed 60% of the component library (40+ reusable, responsive UI components) in Storybook, reducing development time for new features
- Collaborated with UX/UI designers to implement pixel-perfect designs

- Mentored 3 junior developers, conducting code reviews and pair programming sessions to accelerate skill development
- **Key Tech:** Python (Django), React (Gatsby), PostgreSQL, Storybook, Storyblok CMS

Frontend Developer   Nov 2022 – Jun 2023
Team Geek (Client: Kia South Africa) | Remote

- Built eight mission-critical features for Kia's merchant portal, translating Figma UX designs with 98% accuracy
- Integrated custom Directus API endpoints, empowering marketing team to manage 90% of website content without developer intervention
- Implemented comprehensive cross-browser testing suite ensuring compatibility across Chrome, Firefox, Safari, Edge, and mobile browsers, reducing browser-specific bugs by 85%
- Optimized page load times through code splitting, lazy loading, and image optimization techniques
- **Key Tech:** Next.js, Directus CMS, PostgreSQL, Bitbucket, React Query

Full-Stack Developer   Jun 2022 – Oct 2022
Team Geek (Client: The Digital Boost) | Remote

- Integrated Google Ads API enabling automated campaign management for 50+ client accounts, reducing manual work and improving campaign creation
- Conducted 70% of code reviews and testing, establishing best practices that improved code quality and reduced post-deployment bugs
- Proposed and documented gRPC integration architecture redesign, reducing API integration complexity by 20%
- Built real-time analytics dashboard using React Query, providing clients with live campaign performance metrics
- **Key Tech:** Python (Django REST Framework), React, React Query, Firebase, Google Ads API, gRPC

Junior Backend Developer   Nov 2021 – May 2022
Team Geek (Client: Telkom) | Remote

- Designed and implemented GraphQL queries and mutations that decreased data overfetching and reduced average API response payload size
- Built library of 25+ reusable Storybook components, increasing developer productivity and ensuring consistent UI across the application
- Collaborated with frontend team to optimize GraphQL schema design, improving query performance
- **Key Tech:** Python (Django REST Framework, Graphene), React (Gatsby), GraphQL, Storybook

Junior Developer & Team Captain   Feb 2021 – Oct 2021
The Digital Academy (Shaper) | Johannesburg, South Africa (Remote)

- Managed cross-functional team of 5-20 developers across multiple projects, overseeing sprint planning, daily standups while maintaining 80% sprint completion rate
- Established comprehensive coding standards and Git workflow that reduced post-release bugs and improved code review efficiency
- Presented project milestones and technical decisions to stakeholders, translating technical concepts into business value
- Mentored 8 junior developers, with some promoted to team captain roles and others placed at ABSA and Amazon
- **Key Tech:** Angular, Node.js & Express, MongoDB, Strapi CMS, Docker, Git

Key Projects

Skate On – https://skateon.nsonline.co.za

- Full-stack skateboarding spot and events discovery platform with Google Places integration and AI-powered description generation, serving 50+ monthly active users
- Implemented Google OAuth authentication reducing signup friction and increasing conversion rate
- Achieved 92 Lighthouse performance score through server-side rendering, image optimization, and data fetching strategies
- Built spot, user and event rating functionality using PostgreSQL and optimistic UI updates
- **Stack:** Next.js, NextAuth, React Query, PostgreSQL (Supabase), Resend, React Email, Google Places API, Google AI, EdgeStore, Vercel

No Floors E-commerce – https://www.nofloors.com

- Architected and executed backend (payment tracking) migration from C-sharp to Node.js/Express
- Implemented RESTful API endpoints for product catalog, and order processing
- **Stack:** Node.js, Express, PostgreSQL

Education

Vaal University of Technology   2016 – 2019
National Diploma in Information Technology (Software Development)

Siyabonga Secondary School   2011 – 2015
National Senior Certificate (Mathematics & Physical Sciences)

Achievements & Leadership

- Successfully mentored 20+ junior developers throughout career, with some promoted to team captain/lead roles and others placed at top-tier companies including ABSA and Amazon
- Led teams delivering 2+ production applications with on-time delivery rate
- Reduced operational costs through strategic backend migration and architectural improvements