Shagan Plaatjies

Full Stack Software Engineer Based in Johannesburg

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PROFILE

Senior Software Engineer with over five years leading teams and delivering scalable web applications across fintech, insurance, telecommunications, and entertainment. Specialized in Node.js, TypeScript, React, and Next.js with expertise in cloud architecture (AWS, GCP) and microservices.

Proven track record managing teams of 3-6 engineers, owning technical delivery from architecture through production, and collaborating with product leadership. Expert at selecting appropriate technologies, establishing engineering standards, and fostering high-performing cultures while maintaining hands-on contribution. Strong business acumen from startup experience.

SKILLS

LANGUAGES	FRONTEND	BACKEND	DATABASE	TOOLS
C#	React	ASP.NET	SQL	Sentry
JavaScript	Vue	Django	MSSQL	Tealium
TypeScript	AngularJS	Serverless	S3	Jira
Python	Next.JS	Node.JS	Kafka	Vercel

EXPERIENCE

MAR 2025 – PRESENT | BROADWAY MEDIA
Lead Software Engineer – Fulltime

- Leading technical delivery for global entertainment platform using Node.js, TypeScript, Next.js, and React, managing AWS infrastructure (Lambda, S3, CloudFront) and Vercel deployments.
- Owning software architecture decisions, conducting code reviews, and providing technical guidance to engineering team while maintaining hands-on contribution to codebase.
- Collaborating with product and leadership to align technical strategy with business objectives, setting project milestones.
- Managing CI/CD pipelines and cloud infrastructure, ensuring performance, reliability, and security across applications serving audiences on five continents.

JAN 2024 – FEB 2025 | BSURE INSURANCE ADVISORS
Lead Software Engineer – Fulltime

- Led team of four developers, establishing code quality standards, automated CI/CD pipelines, and culture of clean code across all projects.
- Architected transition from monolith to microservices using React, Vue.js, .NET, and PostgreSQL, serving 300+ employees and significantly enhancing business agility.
- Owned end-to-end feature development from design through deployment, independently troubleshooting production issues using logs and monitoring tools.

JAN 2023 - DEC 2023 | VODACOM (BBD CONSULTANT)
Frontend Software Engineer – 1 Year Contract

- Built serverless backend using AWS Lambda, API Gateway, and S3 for VodaPay lending platform processing thousands of daily transactions.
- Developed secure payment gateways and POPIA-compliant consent management systems for financial services.
- Designed React interfaces with performance optimizations (lazy loading, component isolation) that significantly reduced load times.
- Collaborated cross-functionally with product, legal, and operations teams to deliver features meeting complex regulatory requirements.

SEPT 2022 - JAN 2023 | NEWNOW
Lead Software Developer – Fulltime

- Led three-person team delivering real-time social media anomaly detection system using AWS Serverless, Kafka, Lambda, EC2, etc.
- Served as technical partner to founders, contributing to product strategy and operational execution in start-up environment.

FEB 2020 - AUG 2022 | AEGLE DIGITAL
Full Stack Web Developer

- Sole technical resource for digital agency, collaborating with designers and project managers to deliver solutions across multiple industries.
- Built e-commerce platforms integrating WordPress CMS with React frontends, payment gateways (Yoco, Ozow, DPO), and user analytics.
- Implemented innovative features including augmented reality product visualization and real-time inventory management.

WITS UNIVERSITY | BSC. COMPUTER SCIENCE
2018-2022

Pursued a Computer Science double major while working as a freelance web developer to fund my studies and accommodation.

Academic Awards:

Linear Algebra II – 94%

Software Design Project III - 90%

Calculus I - 88%

Data Structures & Algorithms I – 85%

Algorithms & Programming I - 82%

GRADUATE TRAINING PROGRAM
BBD SOFTWARE DEVELOPMENT

Year-long immersive program involving developing full-stack applications high profile agency clients in various industries.

Technologies Involved:

CYBERSECURITY	JAVA SPRING	NOSQL
AWS	JAVASCRIPT	OAUTH2
AZURE	NODE.JS	REACT
C#	.NET	RESTFUL APIS

MTN BUSINESS APP ACADEMY (SETA NQF LEVEL 5)
ANDROID DEVELOPMENT | 2021

- Specialized in Android development using Java, Kotlin, TDD, CI/CD, and industry-standard practices.

LINKEDIN LEARNING CERTIFICATE
PROJECT MANAGEMENT | 2020

- Acquired project management, documentation, and time-tracking skills for effective project delivery.