



DAVID SAMPSON

SOFTWARE ENGINEER / DEVOPS & PLATFORM ENGINEER

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ABOUT ME

I am an enthusiastic JavaScript developer and DevOps engineer with over 5 years of professional experience, gained from working on over 18 substantial web and platform engineering projects across numerous teams of skilled professionals.

PROFILE

- Trained in Java, passionate about JavaScript.
- Strong React.js & Next.js experience.
- AWS Cloud & DevOps Enthusiast.
- Kubernetes, EKS & CI/CD pipelines.
- Team player, leader, learner, teacher.
- Appreciates code conventions.
- Learns daily, works smart.

CORE COMPETENCIES

- Frontend Architecture & Development.
- Backend, Database & API Development.
- DevOps & Platform Engineering.
- Cloud Infrastructure (AWS, Azure).
- Mobile Development.
- Agile Project Management.
- Technical Analysis, Design & Leadership.
- Comprehensive System Delivery.

SKILLS

- JAVASCRIPT / TYPESCRIPT ES6
- REACT.JS
- NEXT.JS
- REACT NATIVE
- NODE.JS
- EXPRESS.JS
- PRISMA.JS
- REDUX SAGA
- ZUSTAND
- GIT
- HTML5
- REST / GRAPHQL
- CSS3 / SCSS / TAILWIND
- MUI / ANTD
- RTL & JEST
- SQL / NOSQL / MONGODB
- AWS / VERCEL / AZURE
- KUBERNETES / EKS
- DOCKER / CI/CD
- PROMETHEUS / GRAFANA
- DJANGO / PYTHON
- ANGULAR
- GPT / AI ENGINEERING

LINKS

Portfolio:
davidsampson.tech/projects

LinkedIn:
linkedin.com/in/dsampsondev

GitHub:
github.com/dsampson94

LANGUAGES

ENGLISH
AFRIKAANS

WORK EXPERIENCE

ISOLVE (PTY) LTD — BITVENTURE PLATFORM ENGINEERING

South Africa
Feb 2026 – Present

DevOps & Platform Engineer

Projects: BSS (Bank Statement Service), Phoenix API Gateway, EasyDebit, EasyVerify DevOps

Tech: AWS EKS, Kubernetes, Docker, Bitbucket Pipelines CI/CD, Prometheus, Grafana, Loki, Alertmanager, KEDA, RabbitMQ, .NET, IIS, Mosquitto MQTT, Python, Bash, Jira, Git & more.

- Completed 16/16 onboarding objectives in 30 days — provisioned access to 17 systems, registered 13 risks, and authored 7 operational runbooks.
- Owning dual-cluster AWS EKS platform (UAT + PROD): node scaling, CI/CD pipeline delivery, and full observability stack (Prometheus, Grafana, Loki, Alertmanager).
- Resolved 30+ incidents and delivered 10+ pipeline optimizations across BSS, LMS, Phoenix, and EasyDebit services in the first two months.
- Driving infrastructure reliability through P1 incident response, deployment automation, and proactive monitoring improvements.

CLOUDSMITHS

South Africa
Jul 2024 – Jan 2026

Full Stack Engineer

Projects: LabourTeq (Legal), ABSA Ready2Work Web & Mobile (Learning), ABSA Ready2Work Backend (Django), MediaCom Data & Tech Growth Plan, LifeAssist (Case Management)

Tech: AWS (Amplify, RDS, Lambda, DynamoDB, ECS, EC2, S3, CloudWatch, AppSync, API Gateway, Cost Explorer), React.js, React Native, Django, Python, TypeScript, Node.js, Express.js, GraphQL, Android Studio, Flowable, IntelliJ & more.

- Daily system maintenance and new feature development across 6 concurrent projects.
- Extensive AWS work — performance and cost optimization for LabourTeq infrastructure.
- MediaCom project rescue and emergency programming to meet critical deadlines.
- Agile project management participation and weekly releases to production & UAT environments.
- Daily bug resolution across multiple projects, regular client meetings and sprint ceremonies.

NO REGRETS STUDIOS

United Kingdom
Apr 2025 – Sep 2025

Full Stack AI Engineer

Projects: NORA — Tattoo Image Generator Management Web App

Tech: Vercel, AWS RDS, React.js, Next.js, Django, Python, TypeScript, Node.js, Git, ComfyUI, Digital Ocean, HuggingFace, OpenAI & more.

- Next.js full system development & architecture, project inception & integration with existing Django AI backend.
- Daily development, weekly standup meetings, total ownership of full stack Next.js solution.
- Pioneering integration of AI image generation (ComfyUI, HuggingFace, OpenAI) into production web app.

ITALTILE LIMITED

South Africa
Sep 2024 – Dec 2024

Full Stack Engineer

Projects: DPOS & MPOS — Web and Mobile Point of Sale App

Tech: Angular, Ionic & Cordova, Android Studio, Java EE, TypeScript, Node.js, Azure DevOps, Molecular.js, Git & more.

- Contract to update Italtile mobile app build tool Cordova, test existing functionality & complete minor tasks.
- Agile project management and weekly releases to production & UAT environments.

FREELANCE

South Africa
Apr 2024 – Dec 2024

Next.js Developer

Projects: CrabaRide — Ride Share (SaaS), ConvoFreaks — Smart Landing Page (Education)

Tech: Next.js, Vercel, React.js, TypeScript, Git, Azure, TailwindCSS, Figma, Stripe, Upwork & more.

- UI rework to CrabaRide platform and creation of ConvoFreaks from scratch.
- Successful delivery to client & new feature development for CrabaRide app & team.

OPEN VANTAGE

South Africa
Jul 2023 – Apr 2024

Software Engineer

Projects: Realist — Asset Manager Web App (Real Estate)

Tech: React.js, TypeScript, Prisma.js, tRPC, GraphQL, Antd, AWS (RDS, Lambda, S3), Postgres, RTL & Jest, Storybook, SonarQube, GitHub CI/CD & more.

- React App creation and full time daily development. Initial AWS S3 setup & weekly deployment duties.
- Agile project management and initial GitHub to AWS CI/CD pipeline setup.
- Hourly git commits & daily code reviews, ensuring DORA metrics best practices.

FREELANCE

Lead React Developer

Projects: TANO — Business Manager Web Front End (Insurance)

Tech: React.js, TypeScript, Redux Saga, Azure, MUI, Git, RTL & Jest & more.

- ▶ React App intervention and weekend development, leading to project recovery and successful delivery.
- ▶ API integration and frontend architecture using Redux Saga for asynchronous operations.

IRRICHECK

React Developer

South Africa
Apr 2022 – Jul 2023

Projects: Pulse — Productivity Manager Web Front End (Agritech)

Tech: React.js, TypeScript, Redux Saga, Tailwind & SCSS, d3.js, RTL & Jest & more.

- ▶ React App creation, full time daily development, solo ownership.
- ▶ Employed d3.js for extensive moisture tracking data visualization software.

VZAP | VAN ZYL & PRITCHARD

Junior Software Developer

Johannesburg
Apr 2021 – Apr 2022

Projects: Pumbaa — CRM (Printing), QIT — Quality Improvement Tracker Web & Mobile App (Healthcare)

Tech: React.js, React Native, TypeScript, Redux Sagas, Java EE, Spring, PostgreSQL, Git, GitLab & more.

- ▶ Daily development assisting QIT projects to successful delivery. Interest in React.js sparked here.
- ▶ Contributed to code reviews and learned best practices in software development.

EDUCATION

Java Web Programming

Van Zyl & Pritchard — Johannesburg
2021

Bachelor's Degree (Commerce)

University of Pretoria — Financial Accounting, Business Management, Taxation
2016

Matric Certificate

St David's Marist Inanda — Johannesburg
2012

"Make it work, make it right, make it fast."