



ABOUT ME

DevOps and Kubernetes engineer on AWS, with 6+ years in software and 18+ web and platform projects. I look after production EKS platforms, CI/CD and observability, and I use AI-assisted tooling for repetitive ops work. I review every output before it reaches a client.

PROFILE

- Trained in Java, passionate about JavaScript.
- Strong React.js & Next.js experience.
- AWS, Terraform, Helm and CI/CD.
- Kubernetes, EKS and cluster upgrades.
- 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, Terraform, Azure).
- Mobile Development.
- Agile Project Management.
- Technical Analysis, Design & Leadership.
- Comprehensive System Delivery.

SKILLS

JAVASCRIPT / TYPESCRIPT ES6REACT.JS

NEXT.JSREACT NATIVENODE.JS

EXPRESS.JSPRISMA.JSREDUX SAGA

ZUSTANDGITHTML5

REST / GRAPHQLCSS3 / SCSS / TAILWIND

MUI / ANTDRTL & JEST

SQL / NOSQL / MONGODB

AWS / TERRAFORM / AZURE

KUBERNETES / EKSDOCKER / HELM / CI/CD

PROMETHEUS / GRAFANA

DJANGO / PYTHONANGULAR

GPT / AI ENGINEERING

LINKS

Portfolio:
davidsampson.tech/projects

LinkedIn:
linkedin.com/in/dsampsonde

GitHub:
github.com/dsampsong94

LANGUAGES

ENGLISH
AFRIKAANS

DAVID SAMPSON

LEAD DEVOPS & KUBERNETES ENGINEER (AWS)

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WORK EXPERIENCE

1SOLVE (PTY) LTD — BITVENTURE PLATFORM ENGINEERING

Lead DevOps & Kubernetes Engineer (AWS)

Focus: Kubernetes and DevOps on AWS for a fintech platform (UAT and production).

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

- Dual-cluster AWS EKS (UAT and production): node scaling, Helm releases, Bitbucket Pipelines, and KEDA autoscaling on queue depth.
- Kubernetes upgrades on premises and on EKS, with node-group and workload checks before each version cutover.
- SOC 2-aligned encryption in transit and at rest, and tighter identity and network exposure.
- Prometheus, Grafana, Loki and Alertmanager. 30+ incidents and 10+ pipeline improvements in two months; 7 runbooks in 30 days. Images pinned to the commit SHA.
- Internal AI-assisted ops automation I built for clients: incident drafts, tickets and timesheets, reviewed before they go out.

CLOUDSMITHS

Full Stack & DevOps Engineer (AWS)

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), Terraform, React.js, React Native, Django, Python, TypeScript, Node.js, Express.js, GraphQL, Android Studio, Flowable, IntelliJ & more.

- Feature delivery plus AWS performance, cost and release work across concurrent client platforms in banking, HR, healthcare and media.
- Elastic Beanstalk and nginx tuning on a production system: workers, timeouts and static handling.
- Lambda check for certificate expiry, raising a ticket before a certificate lapses.
- Weekly UAT and production releases. Rescued a deadline-critical media analytics project and shipped it on time.
- Prometheus, Grafana and CloudWatch for production support. Internal AI-assisted ops automation I built for clients: timesheets, tickets and incident triage.

NO REGRETS STUDIOS

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

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

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

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.

- DevOps for a new product: initial AWS footprint (S3, RDS PostgreSQL, Lambda) and weekly production deploys.
- GitHub-to-AWS CI/CD with tests and SonarQube quality gates on every merge.
- Daily React and TypeScript development, code reviews, and DORA-friendly delivery habits.

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

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

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

South Africa

Feb 2026 – Present

South Africa

Jul 2024 – Present

United Kingdom

Apr 2025 – Sep 2025

South Africa

Sep 2024 – Dec 2024

South Africa

Apr 2024 – Dec 2024

South Africa

Jul 2023 – Apr 2024

South Africa

Oct 2022 – Apr 2024

South Africa

Apr 2022 – Jul 2023

Johannesburg

Apr 2021 – Apr 2022