Kwena Mokgohlwa

Full-Stack Developer

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PROFILE

Full-stack developer with eight years of delivery in banking, fintech, loyalty, energy and public-sector systems, growing from contract developer to technical lead. I build in TypeScript on AWS and Azure, lead small teams, and bring a security-first habit to everything I build. Founder of ANEWK, an engineering practice for regulated organisations.

Professional software delivery since 2018 · Programming since 2006 · Remote-friendly; has worked with teams in Brazil, UK, Portugal and Kenya.

STRENGTHS

- **Full-stack & cloud.** Full-stack TypeScript (Angular, React/Next.js, Node.js), AWS (Lambda, DynamoDB, CDK), Azure.
- **Security.** IBM Cybersecurity Analyst certificate, incident response and digital forensics delivery, Cyber Security Data Science (behavioural analysis) in progress.
- **Applied AI.** HackBio AI for Genomics internship in progress, Investec-sponsored Startup School (Entrepreneurship Development Programme) in progress, agentic AI-assisted development workflows.

EXPERIENCE

Founder & Full-Stack Developer · ANEWK (Pty) Ltd — Johannesburg · 2026 – present

Consultancy for regulated organisations on AWS: solutions architecture & platform development, security research & risk management (DevSecOps), and applied AI.

Delivered incident response and digital forensics for Magalies Water (public-sector water utility).

Built anewk.io, store.anewk.io and the ANEWK design system (Next.js, shadcn/ui, Vercel).

Next.js · TypeScript · shadcn/ui · AWS · Vercel · Figma

Full-Stack Developer (contract) · Wyzetalk (Pty) Ltd — Stellenbosch (remote) · Feb 2026 – Apr 2026

Development on Wyzetalk's frontline-workforce platform using agentic, AI-assisted development workflows.

TypeScript · Agentic AI tooling

Full-Stack Developer (contract) · Absa Group, Corporate & Investment Banking — Apr 2023 – Jun 2023

Technical lead (VP level) on PlanEx 2.0 (strategic management / ERP commercialisation).

Led and mentored the engineering team.

Angular · TypeScript · AWS · Azure

Full-Stack Developer · Basalt Technology / Emphyre, contracted to Standard Bank — Jul 2022 – Dec 2022

As senior software engineer, led development and delivery of Umoja, an asset-management app for Standard Bank with Vodacom and Wyzetalk, piloted with Glencore in the DRC and adopted for scale (about 6,000 frontline miners).

Won MVP award for Umoja's completion.

Core team on PowerPulse (renewable energy platform).

Fixed Prisma Cloud security and compliance findings.

Angular · TypeScript · Node.js · AWS Lambda · DynamoDB · AWS CDK

Full-Stack Developer (contract) · Mindera, for International Airlines Group — Remote, Porto · May 2021 – Oct 2021

Identity Check feature for IAG Loyalty (Avios): KYC/KYB vetting and credit allocation.

Backend Node.js, then full stack. Teams in Brazil, UK and South Africa.

Node.js · TypeScript

Full-Stack Developer (contract) · OLSPS Solutions — Cape Town · Aug 2020 – Sep 2020

Data-intensive apps on Azure alongside data scientists.

Vue.js · Node.js · Azure

Full-Stack Developer (contract) · SovTech — Johannesburg · Oct 2019 – Jan 2020

Encrypted QR-code scanning and generation that initiated payment flows. Team across SA and Kenya.

GraphQL · Node.js

Full-Stack Developer · Xago Technologies — Cape Town · Apr 2019 – Sep 2019

Crypto remittance on the XRP Ledger. JWT and MFA authentication. Node-RED trading bot and market simulator.

Node.js · XRP Ledger · Node-RED

Full-Stack Developer (contract) · Arc Interactive — Johannesburg · Jul 2018 – Aug 2018

Cell C Girl platform. LAMP / Laravel, Docker (LaraDock).

LAMP · Laravel · Docker

Digital Marketer / Growth Hacker · Webgrowth Academy — Cape Town · Nov 2016 – Jun 2017

Nominee, IAB Digital Summit "50 future digital leaders".

Full-Stack Developer (freelance) · Innogine — Aug 2015 – present

Startup MVPs; logistics cost-per-litre modelling (Python, SQL); neural-network handwriting classifier (MATLAB); ISP billing algorithm.

Python · SQL · MATLAB

STEM Trainer, Tutor, Mentor (part-time) · Teach Me 2 — Oct 2012 – present

SKILLS

Languages
TypeScript, JavaScript, Python, SQL, PHP, MATLAB

Backend
Node.js, GraphQL, Laravel, REST APIs

Security
Incident response, Digital forensics, Prisma Cloud remediation, JWT/MFA auth, DevSecOps

Leadership
Technical lead, Mentoring, Client advisory, Scoping and SOWs

Frontend
Angular, React, Next.js, Vue.js, Tailwind, shadcn/ui

Cloud & DevOps
AWS Lambda, AWS DynamoDB, AWS CDK, AWS Amplify, Azure, Vercel, Docker, CI/CD

Data & AI
Applied data science, Deep learning fundamentals, Agentic AI workflows, Bioinformatics (in training)

CERTIFICATIONS

IBM Cybersecurity Analyst Professional Certificate · IBM · Coursera · May 2021 Verified

Web Developer Track · Bloc · Jun 2018 Verified

National Senior Certificate (Matric) · St Benedict's College · Umalusi · 2008 Verified — Information Technology 83% (distinction)

IN PROGRESS

AI for Genomics internship · HackBio · 2026 In progress — Applying it to a private project that brings together Wealth × Health × Security, built on my own genomic data

Building AI Agents for Biology · HackBio · 2026 In progress — Key takeaway: local, private AI agents on Ollama for sensitive and regulated work, where data never leaves the machine

Entrepreneurship Development Programme · Startup School · sponsored by Investec In progress — Member of the Investec-sponsored Startup School cohort

Cyber Security Data Science · Udemy In progress — Powers the Security & Behavioural Analysis layer of Wealth × Health × Security

PLANNED (AWS)

Solutions Architect – Associate · Security – Specialty · Machine Learning Engineer – Associate · AWS Partner Network (APN)

Earlier: Designlab UX/UI (2017) · Webgrowth Digital Marketing (2016) · Seed Academy Entrepreneurship (Microsoft BizSpark) (2015)

EDUCATION & AWARDS

B.Sc. Mathematics & Economics · University of London Accepted — Academic direction from the London School of Economics and Political Science (LSE).

FIRST LEGO League, South Africa Nationals — "Most Innovative Project", 2007 and 2008.