

Software engineer, technical leader and entrepreneur with 8+ years of experience turning business needs into reliable digital products. Combines hands-on engineering depth with architectural judgment, product direction and client leadership. Leads complex technical initiatives from planning through delivery, with experience spanning payments, security and cloud platforms. Uses AI-assisted and agentic engineering practices to accelerate delivery while maintaining accountability for quality and outcomes.

Work Experience

Senior Software Engineer, Neal Street Technologies

Oct 2024 – Present

Consultant | London, UK

- Continued with the business as it became Neal Street Technologies following its acquisition by Caffè Nero Group in October 2024.
- Develop payments capabilities and the loyalty engine powering apps for Caffè Nero, Harris + Hoole, Coffee#1 and 200 Degrees Coffee.
- Enforced strict data retention policies to support GDPR compliance and strengthen the handling of personal data across the platform.
- Strengthened signup security with user fraud checks, including email scoring and device checks.
- Delivered integrations with Braze, Mixpanel and Amplitude to support customer engagement and product analytics.

Co-founder, Inflection Studio

Present

Product direction | Technical leadership | Client partnerships

- Co-founded an engineering studio partnering with founders to turn product priorities into architecture and hands-on delivery.
- Lead client projects across backend engineering, cloud infrastructure and delivery coordination, maintaining direct relationships with stakeholders.
- Use Codex, Claude Code and MCP in agentic engineering workflows to develop features faster and deliver results to clients and stakeholders.

Software Engineer, Teya

Mar 2023 – Oct 2024

Consultant | London, UK

- Led the migration of 4.3 million Yoyo users to Teya's global user base and built Teya ID authentication flows to preserve secure access after migration.
- Planned and implemented the Turkish payment-provider migration from Switch Payments to Iyzico PayU, moving over 750,000 users' card data within strict deadlines.
- Helped adapt Checkout.com integrations after its Vault exchange deprecation and transitioned to a new account structure enabling payments in US and European markets.
- Implemented e-commerce card tokenization and resolved loyalty, voucher-redemption and gamification issues across the platform.

Platform Engineer, Yoyo Wallet

Jan 2022 – Feb 2023

Consultant | Cape Town, South Africa / London, UK

- Planned and implemented migration of South African white-label apps to the global UK stack, transferring user records and loyalty wallet balances.
- Delivered Qikserve and Deliverect integrations, including OAuth2 authentication, connecting ordering and e-commerce services to the enterprise platform.
- Introduced fraud checks using the Telesign Fraud Score API and enhanced authentication in collaboration with teams responsible for platform reliability and security.

Work Experience continued

Software Engineer, Leta.ai

Aug 2021 – Jan 2022

Full-time | Nairobi, Kenya

- Built backend capabilities for an end-to-end last-mile delivery product, collaborating with frontend and mobile engineers to support partners' logistics operations.
- Mapped customer workflows and trained new clients alongside engineering delivery; introduced documentation practices to preserve team knowledge.

Fullstack Software Engineer, Skyetech Group

Oct 2019 – Aug 2021

Full-time | Nairobi, Kenya

- Shipped software for education, healthcare, e-commerce and postal services using Python/Django, React, Vue and Google Cloud.
- Introduced Docker workflows to streamline team operations and promoted documentation for maintainability and knowledge transfer.

Technical Writer, 2Captcha

Sep 2021 – Nov 2021

Remote

- Published practical API integration tutorials, explaining Python and Selenium implementations for a developer audience.

Fullstack Engineer, ECS Botswana / UNDP partnership

Jul 2021 – Sep 2021

Consultant | Gaborone, Botswana

- Developed a consultant reporting platform and established a communication protocol connecting project stakeholders with consultants.

Software Engineer, Papaya Creative

2020

Contract | Indianapolis, US · Remote

- Delivered a property-management application supporting service delivery for homeowners and property managers.

Software Engineer, Frankscope Enterprise

May 2018 – Nov 2018

Contract | Nairobi, Kenya

- Built and maintained the company website and established its IT department, creating working practices for subsequent teams.

Technologies and Languages

- Backend and data: Python, Django, REST APIs, PostgreSQL, SQL, Redis, DynamoDB, MongoDB and Celery.
- Cloud and delivery: AWS (ECS, EC2, SNS, S3, CloudWatch), Google Cloud, DigitalOcean, Docker, Git, GitHub Actions, CircleCI and Tekton.
- Quality and integrations: pytest, unit and functional testing, Grafana, Sentry, OAuth2 / OpenID Connect, payment gateways and card tokenization.
- AI and agentic engineering: Codex, Claude Code and Model Context Protocol (MCP) for AI-assisted feature development and delivery.
- Frontend: JavaScript, React, Vue, HTML and CSS. Leadership: architecture, product direction, project delivery and client management.

Education and Professional Development

- B.Tech. Computer Technology, Technical University of Kenya | 2016–2020
- Docker and Kubernetes: The Complete Guide, Udemy | 2020; Docker Deep Dive, Pluralsight | 2020

Selected Projects

- Autointel Group: Built a spare-parts procurement platform connecting garages and suppliers; the platform generated \$110,000 in revenue in its first year.
- Payo Group Realtors: Led platform delivery across backend, cloud and client management; implemented property discovery, advanced filtering and lead enquiries.
- Mr. Green Africa: Built a USSD rewards system linking plastic recycling to purchases at participating outlets, with M-Pesa B2B payments to vendors.
- Kai & Karo: Developed a vehicle marketplace combining dealership inventory with individual listings and search by make, model and price.
- Jetman Global: Led development of a platform combining aircraft sales, charter bookings and travel packages with payment processing and flexible pricing.

Community and Languages

- Mentor, KamiLimu: Support emerging technology professionals through mentorship and shared engineering experience.
- Speaker, eMobilis Tech Talk 2025: Shared engineering and entrepreneurship experience with approximately 450 pre-university students at the Kenya National Theatre.
- Technical writing: Publish software development articles on tngeene.com. Languages: English and Swahili.