

I'm a self-motivated, innovative, and quality assurance individual with diverse knowledge in software engineering. My combined passion for intuitive design and problem-solving brought me here, to a position where I can demystify the everyday problems of users and empower them with delightful experiences and solutions.

SKILLS

Languages	Python, TypeScript, JavaScript, Ruby, C Programming, PHP
Frameworks	Next.js, React, Vue.js, Ruby on Rails, NodeJs, Django, .NET, Flask, Laravel
AI & LLM	DSPy, LangChain, OpenAI API, Vector Databases (Qdrant, Milvus)
Tools	Version Control, Jira, Figma, API [OAS3/Swagger, REST], SQL
DevOps	Docker, AWS(EC2, S3, ECS/ECR), CI/CD(GitHub Actions, Jenkins, Terraform)
Communication	English (fluent), Swahili
Networking	NSE, CCNA, HCIA.

TECHNICAL EXPERIENCE

Software Engineer

Craft Silicon | Little Limited

August 2024 — Present

Nairobi, Kenya

- Developed responsive, component-driven user interfaces using Next.js (React) and Vue.js, boosting user engagement and consistency across portals and admin dashboards.
- Engineered and consumed RESTful APIs with Rails, Node, Laravel PHP and Python, seamlessly integrating back-end services with front-end components to power dynamic, data-driven features.
- Currently leading development of two React Native POS applications (merchant-facing and consumer-facing) scheduled for release: A merchant management application enabling transaction processing, reporting, and operational insights. A consumer expense-tracking application that records purchases in real time and provides financial visibility and spending analytics.
- Architected secure mobile workflows including authentication, transaction logging, API integration, state management, and error handling to ensure reliability in production and low-connectivity environments.
- Led full product life cycle from ideation through launch—scoping requirements, defining MVPs, coordinating with stakeholders, and delivering production-ready releases.
- Designed, optimized, and maintained relational databases including MS SQL, MySQL, and PostgreSQL, ensuring data integrity, scalability, and performance across distributed applications.
- Built an AI-powered document intelligence and semantic search system, integrating OpenAI APIs for embeddings, summarization, and Q&A with vector databases (Qdrant, Milvus).
- Implemented an event-driven processing pipeline with document parsing, chunking, and embedding workflows, supporting scalable ingestion from multiple data sources.
- Applied LLM orchestration and prompt engineering to enable contextual responses, dynamic content generation, and efficient asynchronous processing.
- Collaborated on the development of a comprehensive Ruby project management and support desk platform for Craft Silicon, serving clients and internal teams. Contributed to:
 - Building support desk workflows (ticket tracking, SLA management, real-time notifications) improving operational efficiency and client response times.
 - Implementing role-based access control (Devise, Rolify, CanCanCan) and audit trails (Paper Trail) to enhance system security and compliance.
 - Developing reporting and analytics modules (Chartkick, Excel exports) for SLA breaches, compliance, and team productivity metrics.
 - Integrating QA workflows (defect/bug tracking) and business features (client/project management, document storage via Cloudinary).

Software Engineer

Omna Solutions

June 2023 — July 2024

Remote [Australia]

- Utilized .Net and C# to create an intuitive API documenting tool, enhancing back-of-house user engagement and tracking of endpoints by simplifying the documenting process.
- Optimized back-end performance by strategically indexing key database tables, resulting in a 70 % reduction in query response times and improved application performance using SQL.
- Performed testing and debugging – Ensuring the software functions correctly through rigorous testing, identifying any bugs or issues, and resolving them.
- Built a time-sheet entry system using React and C# that would be used by the team in tracking and submitting their time sheets for hours worked on different tasks.

- Collaboration: Worked closely with other team members, to ensure the final product meets organizational standards and client expectations.
- Developed user-centric features for on-boarding, role management, and team structuring, allowing client organizations to efficiently manage employees across mobile and web platforms.

Software Developer

iTalanta

January 2023 — June 2023

Nairobi, Kenya.

- Feature integration and development for the elewa-group project using Angular.
- Draft documentation (Markdown) following the acceptance criteria on the features implemented for referencing.
- Utilized Firebase and Angular implementation of The Elewa Conversational Manager – An open-source chatbot editor and manager that allows to host and use conversational learning projects.
- Collaborated in agile sprints with cross-functional teams, contributing to planning, testing, and refinement of user-facing features and backend integrations.
- Debugged and resolved runtime issues in Angular modules and Firebase services, enhancing application stability and deployment readiness.
- Performed peer reviews on code for the open-source project.

Networking Engineer | Solutions Integrator

Next Technologies Limited

June 2021 — June 2022

Nairobi, Kenya

- Collaborated in the Installation and configuration of Networks including GCCN around the capital city and counties.
- Scoped technical solutions required to address customer requirements, assessed customers' needs, and recommended optimum solutions for integration.
- Utilized database concepts powered by Oracle to conduct initial setups of databases and even perform migrations on behalf of different clients.
- Conducted Performance Maintenance of networking equipment.

Software Developer

Skylux Tech

October 2020 — March 2021

Remote

- Implemented the GitFlow branching strategy, enhancing code versioning and release management, which led to a 10 % reduction in code conflicts and improved the stability of production releases.
- Significantly increased CI/CD release speed by 90 % using GitHub Actions to automate the creation of new images and their deployment to AWS ECR, enabling ECS to launch new containers with the latest updates.
- Acted as a project lead for the team to ensure the project objectives aligned with the vision and mission set, ensuring that the final solution was delivered based on the earlier proposal.

Software Developer (Freelancer)

Westside Real Consultancy

April 2019 — May 2019

Nairobi, Kenya

- Built and offered technical support to a Real Estate website dealing with land resale, renting, and selling properties/listings.
- Designed the website wire-frame following different design patterns per the specification.
- Worked hand in hand with the site managers to ensure that correct images of the property listings were taken as per the expected dimensions for quality marketing.

EDUCATION

Software Engineering, Moringa School

June 2022 — February 2023

Flatiron Software Engineering is an immersive program that engages technology enthusiasts and budding software engineers to build high-quality skills in Full-Stack Software Development

Bachelor of Science in Computer Science, Riara University

August 2017 — July 2021

Courses: OOP in C++, Compilers, Algorithms, Operating Systems, Data Structures.

CERTIFICATIONS

Test-Driven Development in Django — LinkedIn

Designing RESTful APIs — LinkedIn

Advanced Vue.js — LinkedIn

DevOps Nano Degree — Udemy