

JEPTUM BRENDA

Kenyan | Nairobi, Kenya | +254706103274 | brendajeptum@gmail.com

LinkedIn: <https://www.linkedin.com/in/jeptumbrenda/>

Github: <https://github.com/bjeptum>

SUMMARY

Cloud-focused Software Engineer with a strong foundation in backend systems and DevOps. Skilled in Python, JavaScript (Node.js, React, Express.js), and API development with hands-on experience deploying applications using Docker and CI/CD pipelines. Currently pursuing a Diploma in Cloud Engineering at AltSchool Africa, developing expertise in cloud infrastructure, automation, and container orchestration with Kubernetes.

Previously I worked in the fintech and insurance sectors, where I automated workflows and applied analytics to improve efficiency and security.

Excited to contribute to building secure, scalable, and high-performing software solutions that improve efficiency and user experience.

TECHNICAL SKILLS

- **Programming & Scripting:** Python (Flask, Django), JavaScript (Node.js, React, Express.js), Bash
- **Cloud & DevOps:** Docker, Linux, CI/CD (GitHub Actions), Git, Agile, Kubernetes (learning), Cloud Automation
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Security & Monitoring:** API Security, Authentication/Authorization, Postman, Logging & Monitoring
- **Collaboration & Tools:** Git, Agile Development, Cross-functional Teamwork, Documentation

PROJECT EXPERIENCE

PulseTrack – AI-Powered HR Tool | Impact Africa Hackathon (1st Place, 2025)

- Implemented an AI pipeline with Mistral AI to perform real-time sentiment analysis and topic clustering on employee check-ins.
- Linked a Django backend to WhatsApp/SMS inputs, enabling anonymous employee mood reporting.
- Built a dashboard layer that visualized morale trends and flagged burnout risks for HR teams.

JengaFit – Fitness Tracking Web App | ALX (2024)

- Implemented Node.js + Express.js backend APIs, cutting average response latency by 40% through optimized query handling.
- Developed a React + Bootstrap frontend with Chart.js visualizations to track workouts and progress.
- Configured MongoDB schemas and indexes for secure, efficient data storage and retrieval.
- Enhanced client-side rendering and caching, improving load times by 30% on user dashboards

WORK EXPERIENCE

Backend Engineer Intern – Prokip Africa (Lagos, Nigeria) | Aug 2025 – October 2025

- Collaborated on backend development and debugging sessions, identifying and fixing 2 bugs per session, saving 2 hrs weekly.
- Enhanced backend documentation and knowledge base, reducing repeat support queries by 25%
- Partnered with backend developers and customer success teams, achieving 95%+ user satisfaction.

Student Software Engineer – Africa Leadership Experience (ALX), Nairobi | Nov 2023 – Feb 2025

- Engaged with Programming Resources to improve Software Engineering skills and working with programming languages.
- Participated in peer coding, debugging, and code reviews to maintain production-quality code.
- Practiced DevOps fundamentals – CI/CD, testing, and version control – on real-world systems.
- Collaborated on debugging issues across team-based projects and conducted peer reviews to resolve technical bugs.

Underwriting Associate – Innovation & Emerging Consumer Division, Britam Insurance | Sept 2019 – Aug 2022

- Automated underwriting workflows, cutting processing time by 20%.
- Applied data analytics to improve pricing accuracy of digital insurance products.
- Co-designed customer-centric microinsurance solutions for underserved markets.

LEADERSHIP AND VOLUNTEERING

Learning Ambassador, ALX Software Engineering Program | March 2023 - May 2024

- Mentored 14 learners in coding best practices and project development.
- Facilitated code-along sessions to build community knowledge and coding confidence.

EDUCATION

Diploma in Cloud Engineering (In Progress) | **March 2025 - Present**
AltSchool Africa – Lagos, Nigeria

Bachelor of Science in Actuarial Science | **September 2014 – December 2019**
Moi University – Eldoret, Kenya

INTERESTS

Women Empowerment Regional Development Community Learning

LANGUAGES

Kiswahili - Native English - Expert French - Conversational