Teddy Githinji Muraguri

Software Engineer

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Summary

Motivated **Backend & Automation Engineer** with expertise in Python, Django, FastAPI, PostgreSQL, and workflow automation tools like n8n and Make.com. Skilled in building scalable backend systems and designing automation workflows that improve operational efficiency and customer experience. Experienced in developing production-grade APIs and automation pipelines that streamline business processes such as delivery management, data synchronization, and task orchestration.

Technical Skills

Languages	Frameworks	Databases
Python, JavaScript, C, Java	FastAPI, Django, Flask	PostgreSQL, MySQL, SQLite

Tools	Cloud & Deployment	Automation tools
Docker, Postman, Celery, Redis, Git, Github	AWS, Heroku, DigitalOcean	N8N, Make.com, Zapier, Airtable, Lindy

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Projects

WhatsApp Delivery Automation flow

- Engineered an automation system that replaced manual booking (phone/WhatsApp + paper logbooks) with a fully digital workflow using n8n and Airtable.
- Automated delivery booking pipeline with Airtable integration, enabling instant order logging, real-time updates, and eliminating human error from manual data entry.
- Built a rider assignment engine that auto-allocates deliveries based on rider availability and workload, reducing scheduling time from ~15 minutes to <1 minute per order.

Automated Document Uploader

- Developed a document automation system where uploaded files are parsed via n8n workflows, replacing manual CRM data entry with a seamless upload-to-database process.
- Automated structured data extraction (e.g., client details, IDs, reference numbers) from uploaded documents and stored them directly into the CRM database.
- Eliminated manual document review and data re-entry, reducing processing time from ~10 minutes per document to under 1 minute, while minimizing data entry errors.

Blog API
🔗 Github link

Technologies: FastAPI, PostgreSQL, JWT Authentication

- Developed a RESTful blogging API with FastAPI, enabling scalable content creation and interaction
- Implemented full CRUD for posts, comments, and user profiles, ensuring seamless content management and engagement.

Booking Wheels – Car Booking Web App
🔗 Github link

Technologies: Flask, MySQL, HTML/CSS, JavaScript

- Built a full-stack car booking application with Flask and MySQL, enabling users to search, reserve, and pay for vehicles online.

Education	**ALX Africa**	**0ctober 2025 - November 2024**
	Software Engineer(Backend Specialization)	Certificate

🔗 <u>Certificate link</u>

- Intensive program focused on backend development principles
- Hands-on experience with modern development frameworks
- Emphasis on scalable application architecture
- Collaborative project-based learning approach

Core Competencies

Technical Skills Relevant to Banking/Finance

- **Security-First Development:** Experience implementing JWT authentication and secure API endpoints
- **Database Optimization:** Proven ability to design efficient database schemas for high-performance applications
- **Scalable Architecture:** Understanding of building applications that can handle growing user bases
- **API Integration:** Experience with third-party service integration and microservices architecture

Problem-Solving & Analytical Thinking

- Methodical approach to debugging complex technical issues
- Analytical mindset for evaluating performance vs. scalability trade-offs
- Experience with systematic testing and quality assurance practices

Communication & Collaboration

- Strong written and verbal communication skills
- Experience working in team environments and collaborative development
- Ability to translate technical concepts for non-technical stakeholders

Adaptability & Learning Agility

- Proven track record of quickly mastering new technologies and frameworks
- Comfortable working in agile environments with shifting priorities
- Proactive approach to staying current with industry trends

Professional Development

Continuous Learning Initiatives

- **Active Coding Practice:** Regular participation in coding challenges on LeetCode and HackerRank
- **Technology Exploration:** Currently experimenting with AI technologies