Bilisuma Tadesse

Full Stack Engineer

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Summary

Full Stack Developer with over 2 years of experience in the banking sector, delivering robust automation, microservices, and web solutions. Proficient in Python, Django, React, and Temenos Quantum, with a focus on scalable systems and clean code. Passionate about solving real-world problems and seeking freelance or remote opportunities to drive operational efficiency.

Technical Skills

- **Languages:** Python, JavaScript, Java
- **Frameworks:** Django, Django REST Framework, FastAPI, React.js, Flutter
- **UI Libraries:** Tailwind CSS, Material UI, Shadcn UI, Bootstrap
- **Tools & Platforms:** Docker, Kubernetes, Git, Nginx, Figma, Temenos Quantum

Professional Experience

Cooperative Bank of Oromia, Addis Ababa, Ethiopia

Software Engineer, Omnichannel Developer (Temenos Quantum)   *Jan 2025 – Present*

- Developing cross-platform banking applications using Temenos Quantum for Android, iOS, and web platforms.
- Utilizing Temenos Infinity for digital banking solutions and Quantum Fabric for seamless omnichannel integrations.

Associate Card Banking Officer, Payment Switch Project Team   *Nov 2023 – Jan 2025*

- Implemented internal systems including Bank Switch, POS network, Mastercard, Visa, and Cash Recycler Machines.
- Developed EJSYNC, an in-house system for processing EJ files, reducing operational costs.
- Built Consolidator App to analyze card embossing files, improving workflow efficiency.
- Conducted UAT and collaborated with vendors for successful system integrations.

Graduate Trainee (Information System)   *Oct 2022 – Nov 2023*

- Supported branch operations, including customer service and technical support for networking and software issues.
- Participated in customer acquisition and resource mobilization campaigns.

Key Projects

EJSYNC – ATM Log Automation System

Oct 2024 – Apr 2025

- Designed and developed a system to automate EJ file collection from 700+ ATM terminals using Python, Django, and React.
- Built components including EJLIVE (file segmenter), EJSYNC Client (file pusher), EJSYNC Server (receiver), and EJSYNCWEB (admin interface).
- Outcome: Enabled real-time reconciliation, reduced manual processes, and improved traceability for 40+ users.

Consolidator App – ATM Embossing File Processor

Apr 2024 – May 2024

- Developed a cross-platform desktop app using Python and PySide6 to parse and analyze EMV-encoded card embossing files.
- Features include EMV parsing, anomaly detection, branch mapping, and CSV reporting.
- Outcome: Streamlined card production, reduced errors, and improved Tritons, enabling non-technical users to filter requests.

CoopChat – Gemini-Powered Chatbot

Jul 2024 – Aug 2024

- Built a prototype chatbot using Django and Google's Gemini API to simulate banking customer service scenarios.
- Implemented custom context injection and prompt engineering for refined responses.

Coop Repo – File Repository System

Jun 2024 – Jul 2024

- Developed a Django-based web app for centralized file management with user authentication, secure uploads, and email notifications.
- Outcome: Improved collaboration, security, and version control, reducing reliance on email attachments.

Education

Adama Science and Technology University   *Oct 2017 – Jul 2022*
BSc, Computer Science and Engineering, CGPA: 3.67/4.00, Major GPA: 3.87/4.00

- Graduated with Great Distinction, with a focus on programming, algorithms, and systems design.

ODA Special Boarding School   *Mar 2014 – Jun 2017*
High School Diploma, Natural Sciences

Certifications

- Meta Full-Stack Engineer Certificate, Meta   *Feb 2025*
- Google AI Essentials, Google   *Jul 2024*
- Google IT Automation with Python Professional Certificate, Google   *Jun 2024*
- Google Data Analytics Professional Certificate, Google   *Feb 2024*
- LambdaTest Software Testing Professional Certificate, LambdaTest   *Nov 2023*
- Google IT Support Professional Certificate, Google   *Aug 2023*