Divine Sedem Tettey - Software Engineer & Engineering Team Lead
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PROFESSIONAL SUMMARY
Software Engineer and Technical Lead with over 8 professional years of experience and track record building robust, scalable backend services, integration, and service delivery. Experience in globally distributed software engineering, solution design, architecture and implementation of technically complex projects. I am adept at delivering high-quality code that is both efficient and maintainable. With my leadership and technical skills, I can lead teams to deliver top-quality code and products.

DOMAIN KNOWLEDGE: Retail & Investment Banking, FinTech, E-commerce, AdTech

TECHNICAL SKILLS
- Languages/Frameworks/Libraries: Java (Spring Boot), Python (FastAPI, Django), PHP (Laravel), C++
- Databases: MySQL, PostgreSQL, SQL Server, Redis
- API Specifications: REST, SOAP
- Infrastructure/Cloud: AWS, Azure, Bare Metal Linux Servers
- Continuous Integration: Circle CI, GitHub Actions, Gitlab
- DevOps: Docker, Kubernetes
- Other Technologies: RabbitMQ, Kafka, LLMs, HyperLedger Fabric

PROFESSIONAL EXPERIENCE
Engineering Team Lead Turntabl (Accra, GH), Mar 2023 – Present
 Engineering Leadership & People Management
  o **Engineering Manager on Client Teams (Morgan Stanley)**: My role involves providing engineering support for our junior consultants working on multiple teams inside Morgan Stanley across multiple technologies. My reports have worked in teams such as the low latency trading team, QA support team and front office automations team. I make sure our engineers deliver the best code and solutions for clients whiles also supporting their technical growth and career development.
   Tech: Java, Python, Scala, CI/CD, distributed system, bash
  o Managing multiple engineers in the company, supporting their engineering goals, assessing their options, and aligning growth paths with project or business requirements.
 Client Engagement & Project Leadership
 Afrotrader – Technical Team Lead/Backend Engineer:
 Tech: Hyperledger Fabric, Java (Spring Boot), Python (FastAPI), Redis, Kafka, Docker, AWS S3, LLM
  o Technical Team Lead on client engagement a team of 4 engineers where we are building a world-class logistics platform for shipping products across the African continent using blockchain and AI to improve product verification and integrity. This also requires me to build the blockchain layer and verification media pipeline of the product.
 FixFlip: Technical Team Lead /Backend Engineer
 Tech: Python (Django), PostgreSQL, Redis, Docker, ReactJS
  o Technical Team Lead on client engagement leading a team of 5 engineers build fixflip.ai – a platform for refurbishment, repair and sales of smartphones, tablets, and computers along with a wide range of mobile accessories and refurbished devices.

Basis - Technical Team Lead
Tech: Python, ML Frameworks, Java (Spring Boot) Docker
- Led a team 7 of engineers to build a Synthetic Data Generation Platform using machine learning to generate synthetic datasets from real data sources, masking and protecting PIIs for regulatory compliance.

Quality Assurance Consulting
QA Consultant for Client (Brevan Howard)
Tech: Java, Python, C++, Kerberos, Azure AD, Snowflake, Linux
- Consulting as Quality Assurance (QA) Engineer for a client (Brevan Howard). My role involves testing and reporting on applications and systems such as authentication connections (kerberos, Azure AD), data lake (snowflake) etc, across the organization. Built automated test applications in Java, Python and C++ to test diverse services across the organization.

AI/LLM Integrations
Tech: LLMs, Python, Retrieval-Augmented Generation (RAG), Prompt Engineering, API Integrations, Docker
- Led a research team of engineers exploring and building integrations for Artificial Intelligence and Large Language Models into financial services.

Lead Developer, Fast Pace Transfer LTD (Accra, GH | London UK), Feb 2020 – Feb 2023
Tech: PHP(Laravel), Java, Apache Fineract, Python, MySQL, MongoDB, Redis, Docker, Azure, CI/CD
- Led a team of developers to rebuild the company's entire remittance product suite and API services from the ground up, increasing successful transaction processing rate by over 95%.
- Prepared the entire team and information systems for ISO 27001 Audit, leading to successful certification and license grant from the Central Bank of Ghana.
- Introduced agile methodologies, product roadmaps, sprint planning, and reviews, increasing development team velocity by over 50%.
- Reduced workload of existing development team by hiring 3 engineers and a system administrator.
- Introduced error tracking, monitoring services, and test-driven development, decreasing the development team's response time to errors and defects pushed to production by 40%.
- Served as Technical Team Lead on partner engagements (MFS Africa, DataBank, STS Transfer), building robust integration services into partner API services and increasing transaction traffic by 15%-400%
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Full-Stack Developer (Contract), ReachAfrika (Accra, GH | Lagos, NG), Dec 2019 – March 2020
Tech: PHP(Laravel), Python, MySQL, Redis, JavaScript, REST APIs, Linux Servers
- Increased customer acquisition by over 25% by building and launching a reward advertising and online bill payment platform, in collaboration with the engineering team.
- Reduced reconciliation errors by over 75% by designing and building an End-Of-Day automated reconciliation system, in collaboration with the management and finance team.
- Integrated power, airtime, and bill payment APIs in Nigeria, increasing transactions on the platform by 20%.

Junior Software Developer, First Atlantic Bank, (Accra, GH), Oct 2018 – Sept 2019
Tech: Java, C#, JavaScript, Python, Oracle Flexcube, REST APIs, SQL Server, Linux Servers, IIS Servers, Virtual Machines.
- Built and maintained an application that interfaces with the bank's core banking application (FlexCube) to generate FATCA reports for submission to the United States IRS, preventing the bank from incurring fines and sanctions.

- Built and maintained a branch module application and a REST API service that integrates with Electricity Company of Ghana Payments API for utility payments, increasing the bank's revenue collections and commissions by over 10%.
- Provided support and training for bank staff on multiple applications built by the development team.

REFERENCES
References would be provided upon request.