DAWIT ADMASSU

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FULL STACK ENGINEER

Full Stack Engineer with 7+ years of experience in web and mobile app development for ERP, CRM, Medical, and Fintech sectors. Skilled in Python, JavaScript, Java, and C# within cloud environments, and proficient with frameworks such as Fast API, Django, ReactJS, Vue.js, Spring Boot, and mobile development with Android Native. Certified AWS Developer Associate, experienced in leading development teams in startups and agile environments, ensuring efficient delivery with Scrum. Global collaboration experience with companies in Africa, the UK, and the USA.

WORK EXPERIENCE

ENGIE ENERGY ACCESS, Kampala, Uganda   **Kampala, Uganda**

Senior Software Engineer   *Jul 2022 - Oct 2023*

- Developed an accounting and loan management system with FastAPI and Vue.js, improving payment processing and energy usage tracking for PAYGo customers. Implemented repayment tracking for customers across six African countries.
- Implemented transaction processing logic with SQLAlchemy and enhanced performance using Graylog and Sentry for error monitoring.
- Automated financial transaction migration for 100,000+ customers and collaborated with the data science team to implement ML models for repayment prediction and device optimization. Worked with the finance team to align strategies with technical solutions.

Technologies Used: *Python, FastAPI, VueJs, GitLab, Docker, Kubernetes, Celery, Redis,* SQL Alchemy, *PostgreSQL, Graylog, Sentry.*

GEEZ TECHNOLOGY, Remote (Addis Ababa, Ethiopia)   **Addis Ababa, Ethiopia**

Senior Software Engineer - Technical lead   *Oct 2021 - Sep 2023*

- Designed & Implemented CRM features using React/Redux, Android Native and Python/Django, contributing to the enhancement of the overall functionality and usability of the CRM system.
- Built and managed CI/CD pipelines with Jenkins and GitLab CI to deploy Dockized applications on AWS, using Kubernetes for orchestration
- Led a team of junior engineers, fostering a collaborative environment that empowered their growth and development.

Technologies Used: *Python, Django, AWS, Docker, Celery, React, Postgres*

UPLANCER AGENCY, Remote (Columbus, OH, USA)   **Remote (Columbus, OH, USA)**

Senior Frontend Developer   *Mar 2022 - Jul 2022*

- Implemented a medical data presentation system with Vue.js, enabling medical professionals to deliver clear presentations and ensuring real-time data updates using WebSockets and FastAPI.
- Developed interactive data visualizations, including charts and graphs, using Vue.js, facilitating easy exploration of medical data for doctors
- Strengthened system security by integrating PingID OAuth authentication with Python and Java applications.

Technologies Used: *Python, FastAPI, Vue.js, Tailwind, PingID OAuth, Websockets, Spring Boot, PostgreSQL, AWS S3, AWS Lambda*

PAGATECH LIMITED, Remote (Lagos, Nigeria)   **Remote (Lagos, Nigeria)**

Senior Software Engineer   *Apr 2019 - Mar 2022*

- Built a merchant payment request system to streamline checkout with React, Spring Boot, and Android, and integrated a secure REST API for the signup process for businesses.
- Integrated card reader solutions and implemented a QR code payment system for Android POS terminals, enabling quick and convenient customer payments.
- Integrated Visa merchant payment using Visa APIs with Java, ensuring secure processing of Visa transactions within the app.
- Incorporated Firebase push notifications and Mailchimp API using Java, enhancing real-time communication and marketing information management.

Technologies Used: *Java, Spring Boot,React, Android Native, Visa payment API, SQL Server, Mailchimp API, Firebase, Bootstrap, Docker, Kibana*

CNET Software Technologies, Addis Ababa, Ethiopia   **Addis Ababa, Ethiopia**

Software Engineer   *Sep 2016 - Apr 2019*

- Developed accounting and inventory features with DevExpress and C# for the CNET ERP System; integrated Peachtree Accounting, streamlining processes and reports.
- Improved order processing by integrating mobile POS printers and implementing a mobile sales feature with Android; developed an IPTV room service feature for hotels.
- Created a Python script-based data synchronization system for seamless JSON and CSV import/export, reducing processing time by 20%.

Technologies Used: *Python, Android, C#, Dot Net, DevExpress, WCF, Entity Framework, SQL Server, Visual Studio, IIS Server*

EDUCATION

Maharishi International University, Fairfield, Iowa   **Fairfield, Iowa**

Master of Science in Computer Science

Addis Ababa University, Addis Ababa, Ethiopia   **Addis Ababa, Ethiopia**

BSC in Software Engineering

TECHNICAL SKILLS

Languages: *Python, Java, JavaScript, TypeScript C#, Kotlin*

Frameworks: *Django, Fast API, Flask, React, VueJs, Spring, Bootstrap*

Mobile Development: *Android Native*

Cloud & DevOps: *AWS, Heroku, Docker, Kubernetes, CI/CD, Jenkins, Nginx*

Databases: *SQL Alchemy, MySQL, PostgreSQL, MSSQL, MongoDB, NoSQL*

ML & Big Data: *TensorFlow, Keras, Scikit-Learn, Pandas, Numpy, Hadoop, PySpark,*

Others: *RabbitMQ, Redis, Celery, Graylog, Sentry, Git, Kibana, Elasticsearch, Firebase, Mailchimp*

CERTIFICATIONS

- AWS Developer Associate Certificate - [Credly Link](#)