

MURAD USMAN

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EDUCATION

Adama Science and Technology University

Bachelor of Science in Software Engineering

Adama, Ethiopia

Aug. 2018 – May 2021

EXPERIENCE

Senior Software Engineer

Feb. 2025 – Present

Gumisoftware

Adama, Ethiopia

- Led and managed multiple projects, ensuring timely delivery and high-quality output.
- Developed and maintained Android mobile applications, optimizing performance and user experience.
- Built and scaled APIs using FastAPI, Django, PostgreSQL, and Celery, improving system efficiency.
- Communicated with clients to gather requirements and translate them into technical solutions.
- Mentored and guided interns, fostering a collaborative and growth-oriented environment.
- Streamlined CI/CD pipelines with GitHub Actions for multiple projects, reducing deployment time.
- Designed and developed internal tools to enhance company operations and productivity.

Backend Software Engineer

Sep. 2024 – Feb. 2025

AzCare

San Jose, California

- Developed and optimized web scraping scripts to extract data from multiple sources.
- Designed and managed data storage solutions with S3, ensuring efficient access and retrieval.
- Built REST APIs to streamline data accessibility and integration with other systems.
- Automated data scraping workflows, reducing manual effort and improving efficiency.

Full Stack Software Engineer

June 2021 – Sep. 2024

Syntaxen Software

Addis Ababa, Ethiopia

- Developed and deployed mobile applications to the Play Store.
- Built a blog web application for Temarico, enhancing content accessibility.
- Led development teams, ensuring efficient collaboration and project success.
- Mentored and guided interns, fostering a learning-oriented environment.
- Designed deployment and DevOps structures for multiple systems using AWS.
- Automated infrastructure management with Ansible to improve efficiency.
- Created and managed CI/CD pipelines, streamlining deployment workflows.
- Implemented user authentication with AWS Cognito, enhancing security.
- Designed multiple data pipelining systems for efficient data processing.

Software Engineer Intern

July 2020 – Sep. 2020

Syntaxen Software

Addis Ababa, Ethiopia

- Developed scripts to parse scientific documents from TeX into a structured database.
- Created REST APIs to facilitate efficient data collection and management.
- Built backend APIs for educational platforms using Django, improving content accessibility.

Requirement Engineer Intern

Aug. 2018 – Oct. 2018

Oda Bultum University

Chiro, Ethiopia

- Gathered and analyzed stakeholder requirements for Human Resource Management System and Appointment Platform.
- Documented functional and non-functional requirements to ensure clarity and completeness.
- Collaborated with developers to translate business needs into technical specifications.
- Conducted feasibility studies and risk assessments for project implementation.
- Assisted in creating workflow diagrams and system architecture documentation.
- Facilitated communication between clients, end-users, and the development team to ensure alignment.

PROJECTS

Bitá | *Python, FastAPI, Flutter, PostgreSQL, Docker* Feb. 2025 – Present

- Developed a SaaS inventory and POS system (Bitá POS) and an e-commerce platform (Bitá Markets).
- Built scalable backend APIs with Django, FastAPI, and PostgreSQL, ensuring smooth transactions.
- Integrated multi-language support, vendor management, and analytics tools to enhance usability.
- Designed a subscription-based model with auto-scaling and cloud deployment (AWS, GCP).

TemariCo Mobile | *Flutter, Firebase, Dart, Django, Git, AWS* Aug. 2021 – 2022

- Developed a mobile learning platform to provide educational content and resources.
- Built using Flutter for cross-platform compatibility, ensuring a smooth user experience on both Android and iOS.
- Integrated interactive quizzes, and progress tracking to enhance engagement.
- Designed a secure authentication system and user management features.
- Optimized performance and ensured seamless deployment to the Play Store.

TemariCo Web | *Svelte, Javascript, Git, AWS* Oct. 2021 – July 2022

- Developed a content-driven blog platform to share educational resources and articles.
- Built using Svelte, ensuring a responsive and interactive user experience.
- Implemented SEO optimization, categorization, and tagging for improved content discoverability.
- Designed a user-friendly CMS for administrators to manage blog posts efficiently.
- Deployed the platform on AWS, ensuring scalability and high availability.

Gisila | *Dart, Postgres, Git, ORM* April 2024 – Present

- Developed an open-source Dart Object-Relational Mapper (ORM) supporting PostgreSQL, MySQL, and SQLite.
- Designed a schema definition system to simplify database modeling and migrations.
- Implemented a query builder for efficient and type-safe database interactions.
- Built a code generation engine to automate repetitive tasks and improve developer productivity.
- Ensured cross-database compatibility, allowing seamless switching between different databases.

Adero Tech | *Django, Tailwindcss, Git, ORM*

- Contributed to the development of Adero.Tech, an East African internet company providing software development, IT consultancy, and digital services.
- Built custom software solutions, including mobile and web applications, tailored for businesses.
- Assisted in the development of ERP systems, streamlining business operations.
- Integrated social media marketing tools to help businesses expand their digital presence.
- Worked on IT consultancy solutions, optimizing technology infrastructure for clients.

Dabbaal Tour and Travel | *Dart, Postgres, Git, ORM*

- Developed the website for Dabbaal Tour and Travel, a platform for booking travel services and tours.
- Designed a user-friendly, responsive interface to ensure seamless navigation across devices.
- Integrated features for tour packages, booking forms, and service inquiries.
- Ensured the website was SEO-optimized to improve online visibility.
- Utilized modern web technologies to deliver a smooth, fast-loading experience.

TECHNICAL SKILLS

Languages: Dart, Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS

Frameworks: Flutter, React, Node.js, Flask, Material-UI, FastAPI

Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, Azure Devops, AWS, Ansible

Libraries: pandas, NumPy, Matplotlib