Yafet Getachew

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PROFESSIONAL SUMMARY

MLOps & software engineer. Started with C, ended up in Python, side quests in Rust. Shipping stable ML pipelines for computer vision. Deep in MOSIP and national ID systems. Automating everything in between.

PROFESSIONAL EXPERIENCE

Senior Backend Engineer Consultant 2026 – Present
Mega Media Limited (Betslip Project) *Remote*

- Building backend systems and MLOps infrastructure for the Betslip platform, including Node.js/NestJS services, LLM integrations, and production AI workflows.

Senior DevOps / MLOps Engineer 2024 – Present
Akva Submerged through Sysnova (OU) *Remote / Addis Ababa*

- Joined Submerged as an early team member and remained through its acquisition by Akva and Akva's subsequent sale to Yanmar. Continue to strengthen product robustness and reliability as part of the ongoing engineering team.
- Architected scalable infrastructure for Machine Learning operations, significantly reducing model deployment times.
- Engineered a high-throughput IoT control flow and robust microcontroller networking infrastructure to process and deliver real-time data analytics.
- Automated deployment workflows by implementing robust CI/CD pipelines, ensuring high availability and minimizing downtime.
- Optimized cloud resource allocation and containerized environments using Docker and Kubernetes, resulting in improved cost-efficiency.

Engineering Team Lead / Senior Software Engineer 2023 – 2024
Fayda (National ID Program) *Addis Ababa*

- Led the go-to-market technical work for the National Digital ID authentication service.
- Advanced rapidly from Senior Software Engineer to Team Lead, directing the development of critical system components.
- Designed and implemented high-concurrency solutions capable of processing national-scale data with low latency.
- Established engineering best practices and coding standards, mentoring junior developers to improve team velocity.

Software Engineer 2019 – 2023
Office of the Prime Minister of Ethiopia *Addis Ababa*

- Streamlined internal office operations by developing and deploying custom automation tools.
- Modernized governmental workflows through the engineering of robust, secure software solutions.
- Participated in national-level initiatives in different capacities.

Software Engineer (Contract) 2018
Camara Education Ethiopia *Addis Ababa*

- Customized and successfully deployed a Massive Open Online Course (MOOC) system based on OpenEdx.
- Engineered a continuous integration infrastructure using Jenkins and GitLab to accelerate release cycles.

Head of IT 2017 – 2018
Kipas Academy *Addis Ababa*

- Developed and launched in-house applications to digitize academic processes.
- Oversaw a comprehensive upgrade of IT infrastructure, improving system stability for the institution.

Junior Systems Engineer 2016
Hagbes PLC *Addis Ababa*

- Programmed low-level C firmware for microcontrollers embedded in Mahindra vehicle systems, optimizing electronic control integrations.
- Facilitated the configuration and rollout of an enterprise-wide ERP system to streamline internal company operations.

CONSULTANCY

Consulted for numerous NGOs and private firms in various capacities, primarily centered on driving and executing digital transformation activities.

EDUCATION

B.Sc. in Computer Science 2015
HiLCoE School of Computer Science and Technology, Addis Ababa

High School Diploma 2010
Italian School of Addis Ababa

TECHNICAL SKILLS

Languages: Python (Fluent), Rust, Dart/Flutter, Java, C, C++, C#, Assembly

Frameworks: Django, Axum, Spring Boot, Android SDK, Flutter SDK

DevOps & Cloud: AWS, Google Cloud, Docker, Kubernetes, Ansible, Jenkins, GitLab CI, VirtualBox, Firebase, Digital Ocean

Tools: Git, Jira, Linear

PROJECTS & ACTIVITIES

- **Podcast Host (Devtopia):** Founded and host a tech podcast discussing engineering trends and developer advocacy in Ethiopia (2024–Present).
- **pasta.yaf.et:** Engineered a native, privacy-first clipboard manager for macOS and Linux featuring on-device semantic search (MiniLM), built-in data transformations, and AES-256-GCM encrypted secret protection.