

ESHTAOL GIRMA

TECHNOLOGY LEADER • FULL-STACK ENGINEER • DEVSECOPS PRACTITIONER

Addis Ababa, Ethiopia | it.eshtaol.girma@gmail.com | github.com/EshtaolGirma

PROFILE SUMMARY

Technology leader and hands-on engineer building secure, scalable digital platforms from architecture and development through DevSecOps and production operations. As Deputy Director for Software and Infrastructure Development, I lead mobile application development and DevSecOps functions while remaining hands-on across mobile, web, APIs, containerised infrastructure, CI/CD, and identity and access management. I build beyond code: systems that stay secure, maintainable, observable, and reliable at organisational and national scale.

PROFESSIONAL SKILLS

Technical Leadership	System Architecture
Production Readiness	Incident Response
Engineering Mentorship	Secure Delivery
Stakeholder Coordination	Roadmap Planning

TECHNICAL SKILLS

Flutter • Dart	Python • FastAPI
PostgreSQL • Redis	Docker • Kubernetes
GitLab CI/CD	Keycloak • FreeIPA
Vault • SonarQube	Huawei Cloud • Linux

EDUCATION

Addis Ababa University

Bachelor of Science in Information Technology, with Distinction

Jul 2022

Thesis: Designed an OCR-powered receipt and personal expense management system featuring automated transaction extraction, spending summaries, machine-learning purchase prediction, price comparison, and receipt-verification capabilities.

CERTIFICATIONS

Cisco CCNA Networking, security, and automation	Cisco CyberOps Associate Security operations and monitoring
Cisco Network Security Network protection principles	Broadcom Virtualization Concepts Cloud, network, and storage virtualization
Introduction to Data Science Cisco	Supervised Machine Learning Coursera

WORK EXPERIENCE

Deputy Director, Software and Infrastructure Development Division

Nov 2024 - Present

Ethiopian Artificial Intelligence Institute

- Lead mobile application development and DevSecOps across architecture, engineering, security, deployment, monitoring, and production operations.
- Architect containerized applications and microservices using Docker, Kubernetes, Huawei Cloud, and on-premises infrastructure.
- Design CI/CD pipelines with automated testing, code-quality analysis, image management, secrets handling, and security controls.
- Lead IAM with Keycloak and FreeIPA, including SSO, OIDC, LDAP federation, RBAC, and policy-driven access.
- Coordinate infrastructure and production delivery across 40+ projects, with approximately 13 systems in production.

AI Software Developer

Aug 2022 - Nov 2024

Ethiopian Artificial Intelligence Institute

- Delivered AI-enabled mobile and web applications through requirements, design, implementation, integration, testing, and deployment.
- Built maintainable Flutter applications and Python, Flask, and FastAPI backend services.
- Integrated AI/ML research into practical software, including Learn & Transcribe and healthcare-focused applications.

SELECTED PROJECTS

Enterprise DevSecOps Environment

INTEGRATED DELIVERY AND SECURITY PLATFORM

Centralized source control, CI/CD, IAM, secrets management, code quality, container infrastructure, and production deployment workflows using GitLab, Keycloak, FreeIPA, Vault, Harbor, SonarQube, and Docker.

Digital Civil Registration & Vital Statistics

NATIONAL-SCALE DIGITAL PLATFORM

Deployed and integrated distributed services across Kubernetes, Huawei Cloud, Keycloak, APISIX, Nginx, TLS, domains, storage, and production operations.

Learn & Transcribe

AI-POWERED MOBILE EXPERIENCE

Developed the Flutter application architecture, user interface, backend integrations, debugging workflows, and AI-powered language learning and transcription features.

Document Management System

ENTERPRISE DIGITAL RECORDS PLATFORM

Contributed software development, system integration, deployment, technical troubleshooting, role-based access, workflows, search, and production support.