

Daniel Mekuria

Fullstack Distributed-Systems/ Platform Eng.

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-  Addisababa, Ethiopia
-  Ethiopian

PROFESSIONAL EXPERIENCE

Federal Civil Service Commission of Ethiopia , **Junior full stack dev and data analyst**

March 2020 – August 2022
Addis Ababa, Ethiopia

Self Employed, Full stack data analyst and web 3 developer.

January 2023 – June 2024
Addis Ababa, Ethiopia

Ethiopian Artificial Intelligence Institute , **Senior Data analyst and Development team lead**

July 2024 – Present
Addis Ababa, Ethiopia

PROFILE

Full-stack software engineer with six years of experience across the whole stack – from the distributed systems and internal platforms underneath, to production web and mobile apps on top.

I specialise in the unglamorous parts that keep forty-engineer orgs shipping:

- Distributed backends in Go and Rust – gRPC, microservices, memory-safe design.
- Developer platforms in TypeScript – type-safe semantic layers, MCP tooling.
- Web & mobile front-ends in Flutter and React – native Android for sensor-heavy apps.
- Data pipelines (Kafka, ClickHouse, Postgres) and cloud (Kubernetes, Terraform, AWS).

I have grown from individual contributor to team lead – code review and mentoring are the daily work now.

EDUCATION

Bachelor's degree: software engineering, Addis Ababa science and technology university
2020 – 2024 | Addisababa, Ethiopia



VOLUNTARY EXPERIENCE

Muday Charity Association

Tutoring 6th graders on math and english

Ethiopian red cross society

Donating blood and money as a member



SKILLS

Distributed Systems (Go)

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service frameworks, gRPC, microservices

Developer Platforms (TypeScript)

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type-safe semantic layers, MCP tooling

Full-Stack Web & Mobile

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Flutter, React, native Android

Data & Messaging

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Kafka, ClickHouse, Postgres, Redis

Infrastructure & Cloud

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Kubernetes, Terraform, AWS, GCP, Linux

Observability & Reliability

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metrics, tracing, zero-downtime, incidents

Backend & Systems

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Python, Rust, SQL – concurrent, scalable

Web3 & High-Performance

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Rust, smart contracts, decentralized systems

Engineering Leadership

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code review, system design, mentoring



LANGUAGES

English

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Amharic

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PROJECTS

vigil

Lightweight observability agent – one static Go binary; systemd, Docker, alerts.
github.com/daniel-mekuria/vigil

data-platform

Kafka to ClickHouse streaming platform: 6 services, 3 test layers, Spark + Airflow.
github.com/daniel-mekuria/data-platform

rust-dispatcher

High-throughput message router in Rust: Tokio + Glommio, two storage engines.
github.com/daniel-mekuria/rust-dispatcher

infra-blueprint

Terraform on AWS – 21 modules, Kubernetes, seven-pillar observability.
github.com/daniel-mekuria/infra-blueprint

linux-shield

Linux hardening playbooks:

Ansible + OpenSCAP + Molecule, 4 playbooks.

github.com/daniel-mekuria/linux-shield

canvas

Accessible React component library:

109 UI primitives, 7 page templates.

github.com/daniel-mekuria/canvas

pulse

Flutter sensor framework:

iOS + Android streaming, configurable sampling.

github.com/daniel-mekuria/pulse

sentinel

Native Android sensing framework:

modular probes, battery-aware sampling.

github.com/daniel-mekuria/sentinel-android

More @ github.com/daniel-mekuria

REFERENCES

Mr. Habtamu T/hana,

Data fusion and development director, EAll

natyman305@gmail.com

Mr. Getnet Belay, Lecturer, AASTU

Belgetnet74@gmail.com

APPENDIX

Available upon request.