

Anteneh Alemayehu

Software Engineer · Tech Lead — Web Applications, Data & Analytics, AI

Houston, TX · antenehmekuriaw@gmail.com · linkedin.com/in/anteneh-mekuriaw · github.com/Kingspark

SUMMARY

Software engineer and technical lead with 15+ years across web development, data platforms, and systems engineering. Currently Tech Lead at HP Inc. focused on solution design, data modeling, analytics and business intelligence, and AI/ML initiatives. Previously led product and technical implementation of a national-scale data-integration platform serving governments and international organizations. Builds AI-powered products hands-on with LLM APIs and AI agents. Curious, always learning, and focused on solving real problems that make everyday life better.

SKILLS

Languages: JavaScript, SQL, HTML, CSS, Java, PHP

Web & Backend: React, Node.js, Express, REST APIs, MySQL, MongoDB, Git/GitHub

Data & AI: Data Modeling, Business Intelligence, Data Visualization, Data Analysis, Machine Learning, LLM APIs (Gemini), AI Agents, Retrieval-Augmented Generation (RAG)

Practices: System Design, Solution Design, Project Management, Team Leadership, Agile

EXPERIENCE

Tech Lead

Feb 2022 – Present

HP Inc. — Houston, TX

- Lead solution design, data modeling, and analytics/business-intelligence initiatives for enterprise platforms.
- Drive adoption of AI/ML capabilities, integrating LLM-based tooling into engineering and analytics workflows.
- Set technical direction and mentor engineers across delivery teams.

Product & Project Technical Implementation Lead

Dec 2018 – Nov 2020

Zenysis Technologies — Addis Ababa, Ethiopia

- Led technical implementation of Zenysis' data-integration and analytics platform for governments and international organizations.
- Solved critical data-fragmentation problems, delivering a unified decision-making platform for national health and development programs.
- Managed embedded, deep-partnership deployments end to end — requirements, integration, delivery, and stakeholder alignment.

Software Engineer & Project Manager (Lead)

Dec 2016 – Dec 2018

Zenysis Technologies — Addis Ababa, Ethiopia

- Built and delivered data platform solutions integrating fragmented health and development data sources into a single analytics platform.
- Bridged engineering and delivery as both software engineer and project lead.

IT System Engineer II → III / Informatics

Nov 2013 – Dec 2016

Tulane International Ethiopia

- Designed, operated, and secured core systems, networks, and infrastructure; promoted from Engineer II to Engineer III / Informatics.

IT Support Specialist

Oct 2008 – Jun 2011

Tulane University Technical Assistance Program, Ethiopia

- Supported systems, networks, and users across program offices.

PROJECTS

AI-Powered Discussion Forum

github.com/Kingspark/ai-powered-disc-forum

- Full-stack forum (React, Express, MySQL) with Gemini-powered semantic search, automated moderation, RAG knowledge base, and community trust scoring.

AI ChatBot

github.com/Kingspark/ChatBot

- Conversational chatbot with Gemini models on a Node.js backend — practical LLM integration from prompt design to product.

EDUCATION

Master of Science (MSc) — Osmania University

2011 – 2013

Bachelor's Degree — Jimma University

2005 – 2008

CERTIFICATIONS

ITSMF Management Academy Graduate — ITSMF, 2026

Business, Team & Self-Leadership — McKinsey & Company, 2025

From Relational Model (SQL) to MongoDB's Document Model — MongoDB, 2025

Google Data Analytics Professional Certificate — Google, 2021