

Eyouel Kibret

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Summary

Adaptable software engineer with a strong background in computer science. Successfully designed and deployed a DNS Manager platform that improved reliability for over 20,000 users. Developed automation for network topology management, significantly enhancing operational efficiency. Keen to leverage technical expertise in software development and optimization to drive innovation and efficiency in challenging roles.

Skills

- **Languages:** Python, Java, C/C++, JavaScript, Scala, PHP, SQL, Go, C#
- **Technologies & Tools:** React.js, Node.js, Express, XML, JSON, HTML, Laravel, Docker, AWS, Oracle Cloud, OpenStack, Kafka, Redis, MySQL, Spark, Linux, Git, Prometheus, Grafana, Nginx, Tailwind CSS, BIND, SNMP, Kubernetes, Spark, Cassandra, Terraform, Google Cloud Platform (GCP), PostgreSQL

Work Experience

WebSprix

Sep 2023 - Aug 2025

Software Engineer

Addis Ababa

- Designed and deployed a DNS Manager platform using BIND, replacing PowerDNS and improving reliability for 20K+ users while reducing configuration errors by 40%.
- Developed a network topology management system automating device provisioning, streamlining operations.
- Built monitoring and reporting tools for device status and topology changes, enhancing visibility and cutting troubleshooting time by 25%.

University of Michigan

May 2022 - Jul 2022

Research Intern

Ann Arbor

- Built high-performance memory management solutions for deep learning models using MemKind, optimizing data placement in SSD/NVM for large embeddings.
- Implemented multithreaded embedding fetch operations, boosting training throughput and scalability for billion-parameter models.

Education

George Washington University

Aug 2025 - Present

MS, Computer Science

Washington, DC

- **GPA:** 4.0
- **Coursework:** Distributed systems, Cloud computing

Addis Ababa University

Sep 2018 - Jul 2023

BSc, Electrical and Computer Engineering (Computer)

- **Coursework:** Object Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems, Computer Networks, Data Communication

Project Work

Cloudifice - Cloud-Based File Storage & Chat App

- Built an end-to-end cloud platform with chunked file uploads, replication for data safety, folder management, and direct streaming. Integrated a real-time chat system for team communication.

Distributed Multi-Agent Debate Platform

- Built a distributed multi-agent AI debate system on AWS using SQS FIFO queues, ElastiCache Redis, EC2 Auto Scaling Groups, and Lambda, implementing fault tolerance via heartbeat-based crash recovery, idempotent Redis SET NX dispatch locks, multi-AZ replication, and event-driven fan-out across nine specialized GPT-4o agents coordinated through seven decoupled message queues.

Log Processor/Aggregator

- Built a real-time log analytics pipeline using Spark Streaming, Kafka, Cassandra, and HDFS, parsing multi-type logs and generating rolling 30-second insights (top endpoints, errors, OS metrics) with windowed aggregations, ranking logic, and fault-tolerant streaming writes.