

GETACHEW GETU ENYEW

Application Software Developer

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Professional Summary

Versatile and results-driven software developer with a solid experience in systems administration, networking support, cybersecurity, and technical operations. Skilled in managing enterprise IT infrastructure, providing user support, developing and deploying applications, and insure system reliability. Hands on experience in Windows/Linux administration, cloud technologies, firewall and application development. Adepts at working in fast-paced environments with cross functional teams to improve IT efficiency, security and service delivery.

Skills

- Languages: Python, JavaScript, Java, C++.
- Operating System: Windows and Linux
- IT infrastructure: Virtualization (VMware, VirtualBox, Proxmox), System backup and recovery, CI/CD
- Cloud & DevOps; AWS, Docker, Github
- Database: PostgreSQL, MySQL, NoSQL
- IT tools & Platforms: Apache, Power BI
- APIs: RESTful APIs, Fast API
- Tools: Jira, Notion, Slack, Apache Airflow, ETL, Kafka, Zapier, n8n, DVC, Streamlit
- Cybersecurity: Firewall, WAF, Antivirus, IDS/IPS
- Networking: VLAN, Routing, NAT, DNS

Work Experience

Information Network Security Administration

Application Software Developer

April 2023 – Present / Full-time

Addis Ababa, Ethiopia

- Managed deployment and support of secure enterprise applications across internal infrastructure.
- Designed and develop AI driven WAF, Antivirus and intrusion detection systems.
- Ensured system security through regular patching, system audits, and user access controls.
- Monitored network traffic and conducted threat analysis to detect anomalies.
- Collaborated with system administrators and developers to ensure secure application integration.

Moti Engineering Plc

Junior Software Support Engineer

Dec 2022 – April 2023 / Full-time

Addis Ababa, Ethiopia

- Assisted with **network setup and configuration**, including IP assignments, router/switch configuration.
- Provided Level 1 & 2 IT support for internal systems and client-facing applications.
- Participated in security hardening of workstations and servers.
- Deployed and configured a TTS tool to improve system accessibility for end-users.
- Documented and reported software issues, helped conduct training for new systems

Education

Addis Ababa Science and Technology University

Master of Science in Computer Engineering

May 2021 – June 2024

Addis Ababa, Ethiopia

- CGPA: 3.75/4.0
- Thesis: Very Good
- Courses Taken: Machine Learning and Deep Learning, Image and Video Processing, High-Performance

Computing, Parallel Computing, Distributed Systems, and Cybersecurity.

Addis Ababa Science and Technology University

Bachelor of Science in Electrical Engineering (Computer Engineering Focus)

Oct 2017 – June 2022

Addis Ababa, Ethiopia

- CGPA: 3.72/4.0
- Course taken: OOP (Python, Java), Database System, Data structure and Algorithm, Operating System. Advanced Programming, Computer Architecture and Organization.

Projects

- Gasha WAF & Antivirus – Developed AI-powered systems for real-time threat detection and malware prevention using ML models and behavioral analysis ([Link](#)).
- Multi Agent Code Assistant – Built an LLM-powered assistant for multilingual code generation, debugging, analysis, and image-to-code conversion to boost developer productivity ([Link](#)).
- Fraud Detection System – Implemented ML-based fraud detection for e-commerce and banking transactions to identify and prevent suspicious activities ([Link](#)).

Honors and awards

Awarded a scholarship for exceptional academic performance during undergraduate studies, enabling direct progression to the MSc fast track program.

License and Certifications

- Introduction to Cyber security, China
- Internet of Thing (HCIA-IoT); Huawei
- Supervised Machine Learning: Regression and Classification
- Introduction to Generative AI