Henok Ahmed Ali

Digital Transformation Advisor and Technology Leader

Digital platforms | Software engineering | Data systems | Institutional strategy

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Professional profile

Technology leader and software practitioner whose career connects higher education, enterprise software, government ICT and national digital transformation. Combines hands-on application and database development with executive leadership, institutional strategy and stakeholder coordination. Served as Chief Executive Officer of Ethiopian IT Park, Senior Strategic Advisor at the Ministry of Innovation and Technology, and Web Platforms Unit Manager under the Digital Ethiopia Program.

Brings a practical understanding of how strategy becomes delivery: identifying institutional needs, shaping digital platforms and data systems, coordinating implementation, and building the capabilities needed to sustain them.

Core expertise

Digital transformation strategy; public-sector digital platforms; requirements analysis and solution architecture; software and SaaS development; data modelling and database administration; ICT governance; programme coordination; technology ecosystem development; training and knowledge transfer.

Professional experience

Founder, Chief Executive Officer and Chief Developer

Unipower Technologies - technology venture in formation | Addis Ababa, Ethiopia | 2025 - Present

- Leads an emerging technology venture focused on digital platforms and enterprise solutions, with responsibility for product direction and hands-on development.
- Connects requirements discovery, solution architecture and iterative software delivery, using product-first, digital-first and AI-first principles.
- Develops reusable platform and data capabilities for operational domains including agriculture, trading and engineering.

Chief Executive Officer

Ethiopian IT Park | Addis Ababa, Ethiopia | Mar 2023 - Aug 2025

- Provided executive leadership for Ethiopian IT Park, directing institutional priorities, organizational performance and management coordination.
- Coordinated government, private-sector and ecosystem relationships around institutional development, technology enterprises, innovation and investment opportunities.

Professional experience continued

Senior Strategic Advisor

Ministry of Innovation and Technology | Addis Ababa, Ethiopia | Oct 2020 - Mar 2023

- Advised senior leadership on digital transformation, institutional strategy and the priorities shaping technology programmes.
- Supported analysis, planning and coordination of national digital-government initiatives, connecting strategic objectives with implementation considerations.
- Contributed to stakeholder engagement and programme governance across public-sector technology priorities.

Web Platforms Unit Manager

Digital Ethiopia Program Ministry of Innovation and Technology | Addis Ababa, Ethiopia | Aug 2018 - Oct 2020

- Managed web-platform activities within the Digital Ethiopia Program, bringing institutional requirements and government digital-service needs into platform planning.
- Participated in open-data and project-dashboard initiatives, coordinating content, data requirements, usability considerations and stakeholders.
- Contributed to platform standards, implementation coordination, sustainability planning and user-oriented knowledge transfer.

Information Technology Director

Ministry of Environment Forest and Climate Change | Addis Ababa, Ethiopia | Jul 2015 - Aug 2018

- Led institutional ICT functions spanning applications, databases, networks, web administration and user support.
- Translated business needs into technical recommendations and delivery priorities; reviewed designs, code and test plans where applicable.
- Oversaw project and release controls, user access, data security, backup, vendor coordination and staff training.

Professional experience continued

Software Programmer and Developer

Nano Computing Technology | Addis Ababa, Ethiopia | Mar 2013 - Jul 2015

- Translated user requirements into database concepts, logical models and physical implementations for software applications.
- Prepared data standards, definitions and data-dictionary metadata, and managed access permissions, integrity, backup, recovery and performance.
- Worked with project managers and development teams on application delivery and ongoing support.

Lecturer in Information Technology

W/ro Siheen Polytechnic College | Addis Ababa, Ethiopia | Dec 2006 - Feb 2015

- Taught theoretical and practical information technology, supervised learner projects and assessed competencies.
- Prepared instructional materials, exercises and session plans, while providing academic guidance and mentorship.
- Contributed to distance-learning resources and information technology curriculum development.

Selected platform experience

Integrated Fleet Management Information System

Developed and provided a software-as-a-service platform used by multiple Ethiopian cross-border dry-freight associations. Work combined database-backed application development, operational information management, user support and service continuity.

Government platforms and data initiatives

Participated in government open-data and project-dashboard initiatives through the Digital Ethiopia Web Platforms Unit. Contributions concerned institutional requirements, platform governance, stakeholder coordination and decision-oriented presentation of programme information.

Education

MSc in Information Technology - 4.0, Very Great Distinction

Adama Science and Technology University. Distributed systems; advanced databases; GIS; information systems management; software engineering; project management; cryptography and network security. | 2010 - 2012

Bachelor in Information Technology - 3.69, Great Distinction

Mekelle University. Information technology; web application development; systems analysis and design; database technologies and web security. | 2004 - 2006

Technical capabilities

Data and databases: Data modelling; metadata and data dictionaries; Microsoft SQL Server; MySQL; Oracle; Microsoft Access; database administration; access control; backup and recovery; performance monitoring.

Software and web: Java; C# and .NET; C++; Python; PHP; ASP.NET; JavaScript; HTML5; CSS; Ajax; Bootstrap; web-platform and SaaS development.

Architecture and delivery: Requirements analysis; system design; solution architecture; software engineering; release planning; testing oversight; project monitoring; technical documentation.

GIS and analytics foundation: Graduate-level GIS, advanced database systems, information-systems management and project-management study; experience with dashboards and data-oriented platforms.

Infrastructure and security: Windows and Linux environments; networking; virtualization; access management; security; backup and disaster recovery; vendor and service coordination.

Tools: Enterprise Architect; Visual Studio; Eclipse; NetBeans; MS Project; VMware and common web-development environments.

Training and professional development

- Computer networking, network administration, PC maintenance and troubleshooting - Mekelle Institute of Technology, 2009.
- Training delivery, learner assessment, educational psychology, communication, work ethics, project proposals and quality management - Ethio-China Polytechnic College, 2010.
- Cisco Networking Academy CCNA Discovery coursework covering networking, routing, switching, WAN connectivity, network security, troubleshooting and network design.
- Information Technology Curriculum Development programme, Bahir Dar, Ethiopia, 2008.
- Prepared training modules and manuals for a distance education and training programme.

Languages

Amharic: Native or full professional proficiency

English: Professional working proficiency and medium of university instruction

References available upon request.