

Bodena Terfa

CV

Software Engineer | Digital Transformation Specialist | Full Stack Web Developer
AI Trainer | e-Learning Director



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Professional Profile

Software Engineer, Artificial Intelligence Trainer, Digital Transformation Specialist, Full Stack Web Developer, and e-Learning Director with over 13 years of professional experience in software engineering, higher education, and technology-driven institutional transformation. Currently serving as e-Learning Director at Wollega University and e-Learning Consultant for the national e-SHE Project, with proven expertise in enterprise software development, Learning Management Systems, web and mobile application development, digital learning, and capacity building. Experienced in leading multidisciplinary teams, delivering professional training, and contributing to national and international initiatives that advance digital innovation, education, and organizational performance.

Core Competencies

Software Engineering	Artificial Intelligence	Digital Transformation
Full Stack Web Development	Mobile App Development	Digital Learning & LMS
WordPress Development	Open edX & Moodle	Technology Consulting
Instructional Design	Project Leadership	Capacity Building

Professional Highlights

- 13+ years of professional experience in software engineering and higher education.
- e-Learning Director, leading institutional digital learning initiatives.
- e-Learning Consultant supporting the national e-SHE Project.
- International Project System Administrator for the INDMET Project.
- Former Department Head of Information Technology.
- Designed and implemented enterprise software, LMS platforms, websites, and mobile applications.

- Delivered professional AI and digital transformation training for universities, healthcare professionals, teachers, researchers, and government institutions.
- Contributed to national and international technology initiatives through academic and institutional collaboration.

Professional Experience

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|---|----------------|
| → e-Learning Director, Wollega University | 2025 – Present |
| → Wollega University Journal System Administrator | 2025 – Present |
| → e-Learning Coordinator, Wollega University | 2024 – 2025 |
| → e-Learning Consultant, e-SHE Project Shayashone PLC | 2024 – Present |
| → International Project System Administrator, INDMET Project | 2021 – Present |
| → Department Head of Information Technology, Wollega University | 2019 – 2021 |
| → Lecturer, Wollega University | 2017 – Present |
| → Assistant Lecturer, Bule Hora University | 2013 – 2017 |
| → Software Engineer | 2013 – Present |

Selected Projects

INDMET e-Learning System; INDMET Website; Old Alton Home Healthcare Website & Training Portal; Wollega University Journal System; Panorama IT Solutions Website.

Education

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|---|-------------|
| → MSc in Computer Science & Engineering (Innovative Software Systems), National University of Science and Technology (NUST) MISIS, Moscow, Russia | 2015 – 2017 |
| → BSc in Information Technology, Ambo University, Ethiopia | 2010 – 2013 |

Publications

- “Wireless Sensor Networks Source Location Privacy Prevention Mechanism”, Springer, 2021
- “A Modified Fault Detection Bayesian Learning Model for Inter Connected Vehicle Networks”, International Journal of Scientific Research in Science and Technology, March 2021
- “Improved Performance of Data warehouse”, International Conference on Inventive Communication and Computational Technologies (ICICCT 2017), IEEE, Coimbatore, India, 2017

Technical Skills

- **Programming:** Java, PHP, Python, JavaScript, C#, SQL
- **Web Technologies:** HTML, CSS, Bootstrap, React, Node.js, Express.js, Laravel
- **CMS & LMS:** Open edX, Moodle, OJS, WordPress
- **Databases:** MySQL, PostgreSQL, Oracle, SQLite, SQL Server
- **Tools:** Git, Docker, Android Studio, VS Code
- **Web Hosting:** cPanel, Plesk, DirectAdmin

Training & Capacity Building

Delivered professional training in AI, Digital Learning, Open edX, Moodle, Software Development, Digital Transformation, and Digital Literacy for universities, healthcare professionals, teachers, researchers, and government institutions.

Selected Professional Training Delivered

- Applications of AI in Medicine and Scientific Research
Audience: School of Medicine Specialists, Wollega University Comprehensive Specialized Hospital
- AI for Academic Writing and Scientific Research Support
Audience: Senior Academics and Researchers, Wollega University
- Empowering High School IT Teachers for Future AI Driven Education
Audience: Information Technology Teachers, East Wollega Zone High Schools
- Digital and Social Media Marketing for Youth, Women Entrepreneurs, and Startups
Audience: Youth, Women Entrepreneurs, and Startup Businesses in Nekemte
- Digital Course Content Development and Instructional Design
Audience: University Academic Staff and Instructors
- Development and Delivery System of Online Exams
Audience: University Academic Staff and Instructors
- Building and Managing Online Courses in Open edX Studio
Audience: University Academic Staff and Instructors

Professional Certifications

- Master Class for Teaching Online (Open edX), Arizona State University (ASU), EdPlus | ASU Online
- React Native: Project-Centered Course, Meta, Coursera
- Getting Started with AWS Machine Learning, Amazon Web Services, Coursera
- Python Data Structures, University of Michigan, Coursera

→ International Leadership and Organizational Behavior, Università Bocconi, Coursera

Languages

→ Afaan Oromo (Native); Amharic (Fluent); English (Fluent); Russian (Beginner)

Hobbies and Interests

Reading research and technology articles, software development, algorithm design, mobile application development, and scientific documentaries.

Professional Statement

Committed to leveraging technology, innovation, and collaborative leadership to develop sustainable digital solutions, strengthen institutional capacity, and create meaningful impact through software engineering, digital transformation, Artificial Intelligence, and education.

References

Mr. Robe Getachew, IT Department Head

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Dr. Endalkachew Mosisa, WIT Scientific Director

Email: endalkem5@gmail.com

Dr. Diriba Diba, Research Vice President, Wollega University

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