

# WENDMAGEGN KEBEDE

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Skilled software developer with over 4 years of hands-on experience designing and implementing enterprise solutions for a variety of projects. Used Java, Spring, Hibernate, NodeJS, React, VS Code, IntelliJ IDEA, Git, Docker, AWS, and Microservices while applying modern design patterns and Software Development Life Cycle methodologies to streamline production workflow. Proven knowledge of industry standards and best practices.

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Major SDLC Phases ☐ Microservices ☐ Web Services ☐ Functional & Object-Oriented Programming  
Java ☐ Data Structures ☐ Design Patterns ☐ Dependency Injection

**Languages:** Java

**Web:** HTML5, CSS3, XML, AJAX, jQuery, JavaScript, NodeJS, Servlets, Bootstrap, React

**Web Services:** RESTful, SOAP, Microservices, JSON

**Web/App Servers:** Nginx, Apache/Tomcat

**Frameworks:** Spring (MVC, Spring boot, Security, Cloud), Express, Hibernate

**Databases:** MS SQL, MySQL, PostgreSQL, Redis, MongoDB

**Design Patterns:** MVC, Singleton, Prototype, Session, Session Factory, Iterator, Observer, Builder

**SDLC:** Agile, Waterfall, Iterative

**Tools:** Visual Studio, IntelliJ IDEA, Eclipse, Maven, Postman, Kafka, JUnit, Git, GitHub, Docker

**Platforms:** Windows, Linux

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## PROFESSIONAL EXPERIENCE

**Maharishi International University, Fairfield, Iowa, USA • April 2022- October 2023**

**Professional Development:** Actively pursuing advanced learning opportunities to continuously improve my technical expertise and skills in software development.

**BRIDGETECH, Addis Ababa, Ethiopia ☐ March 2021- April 2022**

A project Engineering & Trading Pvt. Ltd. Co.

IT solution provider in enterprise development, equipment, broadcasting, and telecommunications.

### Software Engineer II

Developed, integrated, customized, and maintained multiple backend applications.

- ☐ Developed enterprise solutions using Java, Spring Boot, and other Java technologies.
- ☐ Applied multiple design patterns and microservices during development of highly scalable enterprise-level web applications and RESTful APIs.
- ☐ Deployed multiple microservice applications on cloud using AWS.
- ☐ Deployed and managed applications on AWS, with expertise in AWS services including IAM, EC2, S3, RDS, Lambda, CloudFormation, DynamoDB, Aurora, CloudWatch, Route 53, API Gateway, CloudFront, EKS, SNS, SQS, and Step Functions.
- ☐ Implemented the transition from older modular monolithic architecture to a microservices architecture, employing cross-cutting technologies such as Apache Kafka, Spring Cloud, service discovery, load balancing, circuit breaking, and monitoring and logging tools like the ELK stack. Additionally, introduced an API gateway and distributed tracing using Zipkin.

**Technologies Used:** Java, J2EE, Spring (Boot, JPA, Cloud), MySQL, NodeJS, MongoDB, Docker, GitHub, IntelliJ IDEA, VS Code, Git, AWS

**CREATIVE COMPUTER SYSTEM PLC, Addis Ababa, Ethiopia** □ **September 2017 – April 2021**  
IT company providing security, integration, testing, customization, and consultancy services.

**Software Engineer I**

Developed and maintained multiple web applications.

- Developed web application using React and spring boot.
- Defined software solutions with a focus on maintainability, scalability, and performance.
- Developed unit and integration test codes using testing frameworks such as JUnit and Mockito.
- Utilized both SQL (MySQL, PostgreSQL) and NoSQL (MongoDB) databases, designing models for optimal performance.
- Design REST APIs using best practices and specifications.
- Drove Agile development process through consistent analysis and improvement.

**Technologies Used:** Java, Kotlin, Android Studio, Spring Boot, MySQL, NodeJS, MongoDB, Docker, GitHub, IntelliJ IDEA, VS Code, Git, React

**OTHER PROJECTS**

**Guest House Rental System, MIU (2022):** Worked with a team of 5 to design and develop a rental system for owners and guests. Owners can add/remove properties and guests can review and reserve properties.

**Technologies Used:** Java, Spring Boot, React.js, IntelliJ IDEA, MySQL, Git, GitHub, Docker, Maven, Firebase, Postman

**WAP Chat, MIU (2022):** In a team of 3, developed a real-time chat application with persistent user and group chat state, password-secured rooms, and crud functions for rooms and users. Deployed to the cloud.

**Technologies Used:** JavaScript, Express MVC, Socket.IO, MongoDB, Tailwind, JWT, PassportJS, Docker, Heroku, VS Code, GitHub, GitHub Actions

**Library Management System, MIU (2022):** Developed a backend for a library system using microservices.

**Technologies Used:** Java EE, Spring (Boot, Cloud, Security), Hibernate, JPA, MySQL, MongoDB, Kafka, Cloud Run, IntelliJ, Zipkin, Maven, MySQL, Eureka

**EDUCATION**

**Master of Science in Computer Science**

(In progress via distance education; expected completion December 2024)

Maharishi International University – Fairfield, Iowa

**Key Courses:** Fundamental Programming Practices, Modern Programming Practices, Web Application Programming, Enterprise Architecture, Mobile Device Programming, Software Architecture, Project Management, Cloud Computing (AWS), Web Application Architecture.

**Bachelor of Science in Computer Science (2018)**

St. Mary's University – Addis Ababa, Ethiopia