

# Seife Bekele Zemariam

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Software Engineer

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Location: Addis Ababa, Ethiopia

## Summary

Experienced and results-driven Software Engineer with expertise in backend development, microservices, and cloud computing. Skilled in Java, .NET Core, Spring Boot, and modern web technologies, with a passion for AI, DevOps, and scalable system design. Adept at collaborating with cross-functional teams, optimizing system performance, and implementing secure, efficient applications. Enthusiastic about innovation, continuous learning, and mentoring others to achieve technical excellence.

## Skills

- Programming Languages: Java, C#, JavaScript
- Frameworks & Tools: Spring Boot, .NET Core, ASP.NET MVC, React, Entity Framework
- Web Development: RESTful APIs, Microservices, AI Integration
- Database Management: PostgreSQL, MySQL, SQL Server, MongoDB
- Software Development Practices: Agile, Test-Driven Development, Debugging, System Architecture
- Security & Authentication: OAuth2, JWT, Role-Based Access Control

## Education

Bachelor of Science in Computer Science  
Unity University, Addis Ababa, Ethiopia  
Graduation: October 2013

## Training and Certifications

- Programming with JavaScript – Meta
- Introduction to Front-End Development – Meta
- Data Structures and Performance – University of California San Diego
- Java Programming: Arrays, Lists, and Structured Data – Duke University
- Object Oriented Programming in Java – University of California San Diego
- Java Programming: Solving Problems with Software (with Honors) – Duke University
- Introduction to Databases for Back-End Development – Meta

- Introduction to Back-End Development – Meta
- Programming in Python – Meta
- Version Control – Meta
- Building Scalable Java Microservices with Spring Boot and Spring Cloud – Google Cloud
- Advanced Linux System Administration – Addis Ababa Institute of Technology

## Professional Experience

### Principal Software Engineer

Wegagen Bank — Addis Ababa, Ethiopia  
November 2024 – Present

- Leading the development of enterprise-level applications using Spring Boot and .NET Core.
- Mentoring and guiding development teams to improve software quality and performance.
- Enhancing security measures with OAuth2 and JWT authentication.

### Senior Software Engineer

Wegagen Bank — Addis Ababa, Ethiopia  
January 2023 – November 2024

- Designed and implemented microservices and APIs using Spring Boot and .NET Core.
- Led a development team, mentoring junior engineers in best practices.
- Integrated Docker and Kubernetes for scalable deployments.

### Software Engineer

Wegagen Bank — Addis Ababa, Ethiopia  
March 2022 – January 2023

- Developed secure RESTful APIs for enterprise applications.
- Implemented OAuth2 and JWT authentication for secure data access.
- Optimized SQL database performance, reducing query execution time by 30%.

### IT Support Officer

Wegagen Bank — Addis Ababa, Ethiopia  
June 2020 – March 2022

- Provided technical support and maintained banking systems.
- Trained IT officers on troubleshooting and system administration.

## Key Projects

### Core Banking System API Integration

- Developed Spring Boot and .NET Core APIs for seamless integration.
- Secured authentication with OAuth2 and JWT.

### **Web based Attendance Management System**

- Developed a comprehensive Web-Based Attendance Management System significantly enhances operational efficiency by automating and streamlining attendance tracking. It reduces administrative time by 10 hours per week, cuts error rates by 30%, and enables real-time monitoring, increasing update frequency from 3 to 24 times per day.

### **Document Management System (DMS)**

- Automated document verification workflows, reducing manual effort by 50%.

### **Performance Management System (PMS)**

- Developed a web-based employee performance evaluation system.

### **Payroll System**

- Designed and deployed a scalable payroll system integrated with HRIS.

### **HRIS for Wegagen Bank SC**

- Developed a comprehensive HR Information System, improving data accuracy and reducing administrative processing time by 30%.

### **Lease Management System (IFRS 16)**

- The lease management system is automating the lease agreements for the bank and it provides a centralized platform to efficiently track, monitor, and maintain all lease-related activities to manage payment schedules and renewals.

### **Passions**

- AI & Cloud Computing
- Scalable Software Development
- System Performance Optimization
- Team Collaboration & Mentorship

### **Languages**

English (Fluent), Amharic (Native)

### **Additional Information**

- Open to global opportunities
- Interested in hybrid and full-time roles