

# Ezedin Ahmed Backend Developer

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## Profile

Backend Developer with a strong interest in designing robust and scalable server-side systems. Enjoys solving complex problems, building clean APIs, and ensuring reliable system integration. Continuously learning and applying modern backend technologies and architectures, while actively developing skills in Vue.js for frontend integration.

## Education

2022/07 – present Bahir Dar, Ethiopia	<b>Computer Engineering</b> <i>Bahir Dar University</i> Relevant coursework: Algorithms, Data Structures, Database Management, Network Security, Software Design
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## Skills

<b>Language :</b> Java, JavaScript (learning)	<b>DevOps :</b> Docker
<b>Frameworks :</b> Spring Boot, Spring Cloud , Vue.js (learning)	<b>Test:</b> JUnit5, Mockito
<b>DataBases :</b> PostgreSQL, MySQL, MongoDB	<b>Security:</b> Spring Security, JWT authentication
<b>Messaging &amp; Cache:</b> Kafka, Redis,RabbitMQ	

## Experience

2024/01 – 2024/05 Dessie, Ethiopia	<b>Backend Developer - Intern</b> <i>Wollo University</i> <ul style="list-style-type: none"><li>✓ Developed a Spring Boot bookstore backend with PostgreSQL, JWT auth, and REST APIs.</li><li>✓ Implemented secure role-based access control for Admin and User functionalities.</li><li>✓ Designed and optimized the database schema for Books, Users, Orders, and Cart items.</li><li>✓ Containerized the full application using Docker for consistent deployment.</li></ul>
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## Projects

**School Grade Management System** | [Github](#) Built a distributed school management system using Java and Spring Cloud microservices. Features include API Gateway routing, Kafka messaging, automated notifications, and Swagger API documentation.

**HTTP Servlet Server** | [Github](#) A lightweight, multi-threaded HTTP server built from scratch in Java. It features a custom request dispatcher, JSON body parsing, and a controller annotation system for handling concurrent client connections.

**Load Balancer** [Github](#) A Java-based load balancer that efficiently distributes incoming HTTP traffic across multiple backend servers.By implementing algorithms like Round Robin and health monitoring, it ensures efficient traffic distribution and improved fault tolerance for backend services.

**E-commerce microservice** [Github](#) Developed a microservices-based e-commerce system with Spring Boot, featuring separate services for core functions. Implemented service discovery and API Gateway using Spring Cloud for a scalable architecture.