NAHOM HAILEMARIAM

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FULL STACK DEVELOPER

Dedicated Backend Java Developer with more than 3 years of professional experience in developing enterprise applications specializing in building robust and scalable systems for various sectors, including resource management and entertainment industries. Developed both front-end and back-end for applications such as Resource Management, Movie Browsing, and Design sharing platforms leveraging cutting-edge technologies such as Spring Boot, ElasticSearch, and ReactJS following the Scrum model. Proficient in backend technologies such as ReactJS, Java, Spring Boot, Hibernate, ElasticSearch, Github, and SQL Server. Committed to leveraging my skills and experience to contribute to innovative and impactful software projects.

Design Patterns • Service Oriented Architecture • Microservices Architecture • Object Oriented Programming
Data Structures and Algorithm • Dependency Injection • Agile Methodologies • Containerization (Docker)

Languages: Java, JavaScript
Web: HTML, CSS, React
Web Services: REST, JSON, XML
Web/App Servers: Tomcat, Apache, Node.js/Node JS
Frameworks: Spring, Spring Boot
Databases: SQLite, SQL Server, MySQL, MongoDB
Design Patterns: Template, Decorator, strategy, Facade, Adapter, Factory, Command, Observer
SDLC: Agile, Scrum, Waterfall
Tools: ActiveMQ, RabbitMQ, Docker, Kafka, Zipkin, ElasticSearch, GitHub, Visual Studio, Visual Studio Code, NetBeans, Android Studio, IntelliJ IDEA
Platforms: Windows, Linux
Application/Software: ResourceMate, MovieMatch, CreativityHub

PROFESSIONAL EXPERIENCE

*CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).*

BAZETO VISUAL EFFECTS P.L.C, Addis Ababa, Ethiopia • 06/2020 – 10/2023
Pioneer of visual effects in Addis Ababa, Ethiopia.

Software Developer
Developed RESTful web services and mobile applications for enterprise-level systems
- Developed RESTful APIs for product management, including viewing, uploading, and updating resources using Java and Spring Boot, improving product update speed by 30%.
- Engineered intuitive React components for a rental business application, enhancing product management capabilities and driving a 20% increase in user engagement.
- Designed and implemented user interfaces, including signup and login pages for the movie streaming application with database integration using React.js and Spring Boot, improving user signup efficiency by 40%.
- Developed RESTful APIs for managing movie details, user reviews, and authentication using Java and Spring Boot, ensuring seamless data processing and integration with the front-end application.
- Implemented rigorous unit testing strategies with JUnit, significantly reducing bugs by 35% to enhance stability and performance.
- Integrated third-party APIs seamlessly into the movie streaming application to enrich user experience with movie trailers and comprehensive cast information.
- Enhanced search efficiency by 50% through meticulous optimization of search functionality using ElasticSearch, improving user navigation and satisfaction.
- Conducted performance profiling and optimization of critical application workflows, achieving a 30% improvement in transaction processing speeds for the Internal Resource Management Application

ACADEMIC PROJECTS

Maharishi International University (2024) Traffic Management System: A college project focused on developing a traffic management system using microservice architecture and stream-based design principles. Built with Spring Boot, the system aims to enhance traffic flow management and reduce congestion. It includes robust monitoring and logging tools to ensure optimal performance and reliability, leveraging real-time data processing and analytics. Utilized Spring boot, Zipkin, ELK stack, Docker, Kafka

Maharishi International University (2024) Course Attendance System: A RESTful microservices system to automate course attendance for Compro students using Spring Boot, Spring MVC, Spring Security, Spring Data JPA, and Spring Cloud Services. The system records student attendance via badge scans, stores course and session data, and generates detailed attendance reports. It includes robust data monitoring and logging for optimal performance and reliability, along with features like automated email reminders and role-based access control. Utilized Spring Boot, Kafka, GitHub

Hilcoe School of Computer Science and Technology (2022): An Android mobile application designed to help students in Ethiopia prepare for national exams. The app includes a feature for analyzing exam results to identify areas needing improvement, enhancing study efficiency. It features user-friendly interfaces and smooth navigation to ensure an engaging and seamless user experience

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion date 06/2026)
Maharishi International University, Fairfield, Iowa

Key Courses: Web Programming, Software Architecture, Advanced Software Development, Enterprise Architecture

Bachelor of Science in Computer Science
Hilcoe School of Computer Science and Technology, Addis Ababa, Ethiopia (12/2022)