

# Habtamu Tegegne

Nashville, TN

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## Summary

A highly motivated and skilled recent Computing graduate with experience in full-stack software development, including database development. Proficient in object-oriented programming (OOP) principles and practices with a strong understanding of agile methodologies. Committed to continuous learning and improvement, with excellent analytical and critical thinking skills.

## Professional Experience

**Associate Software Engineer, Infosys Limited**, Sep 2021 – Feb 2023

- Developed Restful APIs using Spring Boot, implementing CRUD operations, security measures, performance optimization, thorough Postman testing, documentation, and collaboration with cross-functional teams.
- Optimized business logic processes by implementing service layers with Spring Boot, resulting in increased operational efficiency.
- Utilized Spring Data and ORM to develop robust persistence layers, ensuring seamless data management.
- Created dynamic single-page applications using Angular, enhancing user interactivity and responsiveness.
- Spearheaded the design and implementation of relational databases, ensuring optimal data storage and retrieval.
- Applied object-oriented design principles and various Design Patterns to optimize code quality, scalability, and maintainability.

## Education

**Bachelor of Science in Computing**, Concentration: **Information Technology**, GPA: **3.54**, Dec 2020

East Tennessee State University (ETSU), Johnson City, Tennessee

Key Courses: Software Engineering I & II, Advanced Web Design and Development, Database Advanced Topics

Awards and Honors: Graduated *Cum Laude*, member of Upsilon Pi Epsilon (UPE) – Computing & Information Disciplines Honor Society

**Bachelor of Science in Environmental Health**, Jul 2006, Hawassa University, Hawassa, Ethiopia

## Relevant Coursework and Projects

**Full-stack Developer**, Human Computer Interaction Course, ETSU, Aug 2020 – Dec 2020

- Gathered and analyzed requirements to meet project expectations.
- Led the development team in setting up the collaboration environment in Bitbucket and ensuring weekly timely delivery, resulting in the successful delivery of a complex project on time.
- Developed user personas and prototypes to assess and validate user interfaces.
- Created user-friendly interfaces that enhanced user satisfaction and engagement.
- Technologies used: C#, ASP.NET, SQLite database, JavaScript, jQuery, HTML, CSS, and Bitbucket.

**Full-stack Developer**, Software Engineering II course, ETSU, Jan 2020 – May 2020

- Conducted requirement gathering and analysis to develop a user-friendly web application.
- Designed UML and ERD diagrams, ensuring clear project visualization and planning.
- Developed unit test cases and employed code metrics to guarantee thorough test coverage and quality.
- Implemented agile methodologies to enhance team productivity and successfully meet project deadlines.
- Technologies used: ASP.NET MVC, Razor, Web API, Oracle database, Microsoft Azure, Lucidchart, Trello, and GitHub.

## Technical Skills

Programming languages: Java/J2EE, C#, JavaScript, TypeScript

Web Development Frameworks and tools: Maven, Spring Boot, Hibernate, ASP.NET MVC, Entity Framework

JavaScript Frameworks and Libraries: Angular, jQuery

Database Technologies: SQL, NoSQL, ETL, MongoDB, MS SQL Server, Oracle, MySQL, PostgreSQL

API and Web Services: Restful APIs, Microservices, API testing

Markup and Data Formats: HTML5, CSS, JSON, XML

Cloud Computing: AWS, Microsoft Azure

Version Control and collaboration tools: Git, Bitbucket, GitHub, GitLab, Trello, Lucidchart

Agile Methodologies: Scrum Framework, Kanban Methodology, User Story Creation and Management