NAHOM TSEHAYE DEBRETSION

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FULL STACK DEVELOPER

Talented Full Stack Developer with 4+ years of professional experience providing comprehensive project management through all phases of software development life cycle. Demonstrated experience in system analysis, user interface design, database administration, and script-based coding. Skilled in using technologies such as Java, JavaScript, MS Access, NetBeans, Eclipse, WampServer, HTML, and CSS.

Software Development Life Cycle • System Analysis • Feasibility Study • Testing • Coding
Java Programming • Database Administration • Project Management • Website Design

Languages: Java
Web: HTML5, CSS3, JavaScript, XML, jQuery, Bootstrap, TypeScript, AJAX, NodeJS
Web Services: REST, Microservices, JSON, SOAP
Web/App Servers: Apache Tomcat
Frameworks: Spring (Boot, Security, MVC, Data, AOP, IOC-Dependency Injection, Cloud), Hibernate, Express, Angular, Node, React, JUnit, Mockito
Databases: MySQL, MongoDB
Design Patterns: Singleton, Façade, Factory, Prototype, Session, Session Factory, Abstract Factory, Observer, Builder, Adapter, Bridge, Composite, Decorator, Proxy, Command, Interpreter
SDLC: Agile-Scrum, Waterfall, TDD
Tools: Eclipse, Thymeleaf, IntelliJ, VS Code, NetBeans, Maven, Git, Postman, StarUML, ActiveMQ
Platforms: Windows, Mac OS, Linux, VMware

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).*

ARON MEBRAHTU ENGINEERING LLC., Dubai, United Arab Emirates ● 2020-2021
Technology and engineering firm.
Full Stack Developer
Tasks performed

- Developed code following common security practices and development design patterns
- Wrote unit tests to verify the functionality of user interfaces, back-end processing, connectivity, and relational database interactions.
- Maintained systems and applications as Tier 2 support (break-fix and data changes)
- Documented 100% of technical specifications and dependencies of applications
- Participated in the planning and execution of business continuity/disaster recovery exercises
- Implemented system and application designs

Technologies Used: *Java ,Hibernate, Spring, Spring boot, MYSQL,React.*

MINISTRY OF DEFENSE: COMMUNICATIONS AND SIGNAL OFFICE, Asmara, Eritrea ● 2016-2019
Government agency.
Software Developer
Led design of application software for workshop section of communications office.

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- Implemented feasibility study and system analysis to define project scope and gather requirement specifications.
- Developed and implemented user interface.
- Prepared code with Java programming language.
- Managed database and administered connectivity.

__Technologies Used:__ *MS Access, Java, NetBeans, Eclipse, Windows.*

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COLLEGE OF ARTS AND SOCIAL SCIENCE, Adi Keyh, Eritrea • **2015-2016**
Higher education institution.

Software Developer
Designed Digital Library System to share information throughout network.
- Performed feasibility study and system analysis to design system with dataflow.
- Implemented script-based coding and development.
- Streamlined database management and connectivity.

Technologies Used: *MySQL, WampServer, Windows, HTML, CSS.*

BARKA SECONDARY SCHOOL, Asmara, Eritrea • **2014-2015**
Public school.

IT Instructor
Managed project to train students on basic programming and computer components.
- Defined project scope and requirements with feasibility study and analysis.
- Instructed students on Basic Programming and Introduction to PC courses.
- Prepared and administered lesson plans, coursework, and exams.
- Created small networks as lab technician.

Technologies Used: *Windows, HTML.*

MINISTRY OF TOURISM, Asmara, Eritrea • **2013-2014**
Government agency for tourism.

Application Programmer and Web Developer
Contributed to all phases of software development life cycle for Travel and Tourism Management Control system including feasibility study and system analysis
- Implemented website design.
- Designed and maintained database.
- Performed tests and evaluations to ensure optimal functionality and performance.

Technologies Used: *Windows, HTML, Java, NetBeans, Eclipse, Dreamweaver, Apache, WampServer, MySQL.*

COMMISSION SPORT, Asmara, Eritrea • **2013**
Sports agency.

Web Designer / Application Programmer
Developed Stadium Management and Control System for client.
- Performed system analysis to develop framework.
- Designed website and database.
- Created administrative application software.
- Implemented testing and analysis to maximize performance.

Technologies Used: *Windows, HTML, Java, NetBeans, Eclipse, Dreamweaver, Apache, WampServer.*

ACADEMIC PROJECTS

Alumni Tracking System, MIU (2022): Implemented a backend enterprise application which handles banking transactions in searching, registering and retrieving alumni details.Technologies Used: Java, MySQL, Spring (Boot, Security), Hibernate, Microservices, ActiveMQ, Zuul, Docker, CI/CD, JMS, IntelliJ ,React.js(Front End).

Web Store, MIU (2022): Built an enterprise application for sales of different products in an online store. Technologies Used: Java, MySQL, Spring (Boot, Security), Hibernate, Microservices, ActiveMQ, Zuul, Docker, CI/CD, JMS, IntelliJ

Hotel Reservation System, MIU (2021): Developed backend enterprise application to manage hotel bookings, customer registration, and room reservation processing. Technologies Used: Java, MySQL, Spring (Boot, Security), Hibernate, Microservices, ActiveMQ, ZUUL, Docker, CI/CD, JMS, IntelliJ

Claso Games, MIU (2021): Created a full stack web application to display and manage a game library, developing 2 versions using Angular and AngularJS for frontend framework. Technologies Used: MongoDB, Express, Angular, NodeJS, VS Code, Bootstrap, TypeScript, REST

Shopping System, MIU (2021): Designed a full stack software application to manage product inventory, customer registration, and order processing for an online shopping system. Technologies Used: Java, Spring, ReactJS, MongoDB, Tomcat, Thymeleaf, REST, IntelliJ

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion July 2024)
Maharishi International University, Fairfield, Iowa

Key Courses: Fundamental Programming Practices *(FPP),* Modern Programming Practices *(MPP),* Web Programming *(WAP),* Software Architecture *(SA),* Web Application Architecture (*WAA)*

Bachelor of Science in Computer Science
Eritrean Institute of Technology, Mai-Delhi, Eritrea