ESMELEALEM ESEYNEH

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FULL STACK DEVELOPER

Skilled application developer with over 5+ years of experience in full stack development through all aspects of the Software Development Life Cycle. Proven ability to analyze requirements and draft design documents for both client and in-house projects.

Expertise includes Java, Spring, Spring Boot, Hibernate(ORM), Angular, Ajax, JQuery, PostgreSQL, MS SQL, Oracle, SVN, Junit, Mockito, Jenkins, and Jasper.

SDLC • Web Services • Design Patterns • Java & .NET Programming • Front & Back End • Algorithms
Database Development • OOPS • Microservices • Data-Intensive Applications • Dependency Injection

Languages: Java, Core Java, Advanced Java (java8, Java11 etc), C#, NodeJS,.NET Core, LINQ, C++,
Web: HTML5, CSS3, JavaScript, jQuery, AJAX, Telerik, Tailwind, Bootstrap, JSP
Web Services: RESTAPI, Microservices(using Java Spring Boot, Spring Cloud tools), SOAP
Web/App Servers: Glassfish, Apache Tomcat, JBoss
Frameworks: Java Frameworks Spring (MVC, Boot, Security, Data, AOP, Dependency Injection, Cloud), Hibernate, Angular, IceFaces, C# frameworks like ASP .NET Core, NodeJs Express
Databases: RDBMS (Oracle, PostgreSQL, MS SQL, MySQL, Sybase), NoSQL Databases (MongoDB, Cassandra), InMemory database(Redis**)**
Design Patterns: MVC, Singleton, Repository, Factory, Session, Session Factory, Observer, Façade, Template, Dependency Injection, Build
SDLC: Agile/Scrum, Waterfall, Spiral, RAD
Tools: NetBeans, Eclipse, IntelliJ IDEA, VSCode, Maven, Gradle, Postman, Insomnia, StarUML, TortoiseSVN, JUnit, Docker, Kafka, Zipkin, Eureka, APIGateway(Spring Cloud), ServiceDiscovery, Prometheus, ELK, Mockito, Jenkins, Git, GitHub, Jasper Report, MongoCompass, Kubernetes, Zipkin, Zookeeper
Cloud Computing: AWS (EC2, S3, Lambda, IAM, RDS, Aurora, Dynamo DB), GCP, Azure (Azure pipeline, Azure repo, Azure DevOps)
Platforms: Linux, Windows,Unix

PROFESSIONAL EXPERIENCE

EXCELLERENT SOLUTIONS, PITTSBURGH, USA ● 2020- 2022
Ethiopian delivery center of the US-based software development company.

Senior Developer ● 2021-2022
Developed clean, fully-fledged, sustainable products using efficient code in Java, Advanced java(Java8)Java, RestAPI, Spring Boot, ASP .NET Core3 and C#.

- Realized all aspects of user requirements including user interface, backend, and database.
- Designed, implemented, and tested client needs prior to deployment on TFS server.
- Technical delivery manager reports that recommended and executed improvements resulted in an 85% performance increase.
- Guided 3 developers in full stack development and organizational workflow.
- Completed all projects on time and within budget. Integrated third party programs and APIs.
- Troubleshot and debugged existing software, as well as providing upgraded functionality.

EXCELLERENT SOLUTIONS, continued:

Developer III ● **2020-2021**
Customized EngageToExcel project with 12 integrated database servers for 15 different customers, including API, UI, look-and-feel, and database. Developed customer web portal project.

- Designed and implemented all user requirements based on client specifications, from user interface to backend, including database.
- Contributed to development of organizational flow software, improving time management and scheduling.
- Produced clean, efficient code in Spring Boot, Java core, in Java, Advanced java(Java8), Java RestAPI, ASP .NET Core3 and C#.
- Successfully integrated software components and third-party programs.
- Ensured timely completion of complex projects despite challenging deadlines.
- Conducted troubleshooting, debugging, and upgrading of existing software.

Technologies Used: *Java, Spring Boot, Angular, Ajax, JQuery, ASP .NET (Core, MVC), CSS3, HTML5, , Bootstrap, MS SQL, Intelij Idea, Visual Studio, Git, Trello, Azure, JIRA, TFS*

INFORMATION NETWORK SECURITY AGENCY (INSA), Addis Ababa, Ethiopia ● **2016-2020**
Main government security office and national security center.

Senior Application Software Engineer
Supervised 5 team members as an application development team leader. Promoted from DevOps Engineer position in Quality Assurance department.

- Played key role analyzing, designing, developing, testing, and deploying applications to production.
- Developed online anti-money laundering system, measurably increasing customer sign-ups according to added customer records in database.
- Wrote customized automation testing code for Quality Assurance.
- Performed automation testing using Selenium, Jenkins, Puppet, Test-Link, and other load and performance testing tools.
- Resolved technical errors. Maintained and upgraded and added features to existing system.

Technologies Used: *Java,* Advanced java(Java8), *Spring Boot C#, ASP .NET MVC, JavaScript, HTML5, CSS3, Blazor, Bootstrap, jQuery, AJAX, Nginx, Apache Tomcat, JeTTY, IntelliJ IDEA, Eclipse, Toad, PuTTY, JIRA, Oracle, MS SQL, MySQL, Wireshark, InteliJ,Idea, Visual Studio, Git, Trello, JIRA*

INFORMATION NETWORK SECURITY AGENCY (INSA), Addis Ababa, Ethiopia ● **2011-2014**
Main government security office and national security center.

Junior Software Application Developer
Contributed to major cement factory project through development and engineering tasks.

- Analyzed, designed, and prepared documents on client and in-house project requirements.
- Reviewed technical documentation during requirement changes.
- Collaborated with team members in a fast-paced, challenging environment.
- Built large-scale, clean, effective applications and systems with cross-platform compatibility.

Technologies Used: Java, Java core, Advanced java(Java8), *Web services, IceFaces, JSP, Servlet, SVN, Mockito, Jenkins, Jasper Report*

ACADEMIC PROJECTS

Social Media Application (Twitter App), MIU (2022): Developed a Twitter-like app in a team of 5, with social media capabilities like chatting, commenting, sharing, liking, video sharing, photo viewing and sharing, friend requests, and suggestions. *Technologies Used: Agile SDLC, Java, Spring Boot Framework, Angular Front End, MySQL, ORM/JPA, Git, Maven, JSON, JavaScript, RESTful, Tomcat, Docker, Stream API, Unix*

Online Shopping Cart (eCommerce App), MIU (2022): Created a scalable online shopping system enabling purchases, product catalog browsing, and ordering. Implemented with Node Express services as backend, using functional programming. *Technologies Used: Node Express, CSS3, HTML5, JavaScript*

Tutor App, MIU (2022): Developed a microservices-based, highly scalable tutor management app where students and teachers can register as tutors, create accounts, request tutors, send messages, and receive approval notifications. Implemented 7 microservices with Spring Boot for backend framework; Angular as frontend framework; GitHub Actions for CI/CD; and deployed onto GCP and AWS. Used reflection method for Kafka configuration. *Technologies Used: Java,* advanced java(Java8), *Spring (Boot, Security), micrcoservice, Angular, Kafka, Docker, Kubernetes, Zipkin, Prometheus, Zookeeper, Ingress, Grafana, GCP, AWS, GitHub, Unix, Linux*

Movie Rating App, MIU (2022): Developed a micro-services-based, highly scalable movie-rating app where movies and TV series can have registered, create accounts, comment on movies, tv series, rate them,create movies, send messages, and view in elk docker and k8s based. Implemented 5 main microservices with Spring Boot for backend framework. *Technologies Used: Java, Spring (Boot, Security), Spring(Boot, Security), Kafka,Rabbitmq Docker compose for all tools like elk,kafka, rabbitmq, Kubernetes, Zipkin, sleuth, prometheus, grafana, Zookeeper, ELK, spring cloud config server, Eureka service discovery, API gateway, , ORM/JPA, Git, Maven, JSON, RESTful, Tomcat, Docker, Postgres, ,OAuth with Keycloak,Spring security jwt etc.*

Cloud Data Security, OU (2016): As Master's Degree graduation project, developed a secure, dynamic multikeyword search scheme which encrypts and protects confidential data in the cloud. *Technologies Used: Java, Java core, Java web service, ASP .NET MVC, JavaScript, AJAX, jQuery, CSS3, HTML5, Bootstrap, RESTful, XML*

EDUCATION

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

Key Courses: Fundamental Programming Practices; Modern Programming Practices; Algorithms; Web Application Programming; Software Architecture; Enterprise Architecture

Master of Science in Computer Science (2016)
Osmania University – Hyderabad, India

Key Courses: *Automata; Analysis & Design of Algorithms; Embedded Systems; Object-Oriented System Development; Artificial Intelligence; Quantitative Techniques; Data Warehouse Mining; Mobile Computing; Distributed Systems*

Bachelor of Science in Computer Science (2009)
Bahir Dar University – Bahir Dar, Ethiopia

PUBLICATIONS

"Adaptations of GDFS on a Dynamic Multi-keyword search scheme in the secured cloud data"
International Journal of Advanced Trends in Technology, Management & Applied Science (2016)

PROFESSIONAL DEVELOPMENT

Certificates:

- A full Java (starting core to advanced web services) in Amerpeet(India)
- Oracle Cloud Foundation: This is Oracle Cloud certificate which is cloud computing beginner certificate.