

Senior Software Engineer

Personal Information

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Summary

Experienced software engineer with experience of above 6 years and with a passion for developing innovative programs that expedite the efficiency and effectiveness of organizational success. Well-versed in technology and writing code to create systems that are reliable and user-friendly. Confident communicator, strategic thinker, and innovative creator to develop software that is customized to meet a company's organizational needs, highlight their core competencies, and further their success.

Professional Experience

Senior Full-Stack Engineer

Medco Technology Solutions

October 2023 – June 2025

- Implemented **Health Insurance App** with Spring Boot and VueJS.
- Applied micro service architecture.
 - Applied Automated Testing.
 - Applied best design patterns and code practices.
 - Used Vuetify as UI component
 - Applied cloud deployment in AWS (S3 , EC2 , Lambda).
 - Implemented complex queries.

- Applied best design practice based on the gathered requirements in the task catalog.
- Applied Apache Kafka for message broker.

Senior Full-Stack Engineer

Custor Computing PLC

November 2022 – September 2023

Built **Online Trade Registration and Licensing System** with **.Net Core** and **Angular**. Applied Clean Architecture with CQRS and Repository design patterns. Applied automated testing.

Followed best design patterns like command, observer, factory and singleton.

Implemented Identity Server for securing the app i.e. implementation of OpenID Connect and OAuth protocols.

Worked on agile methodology to meet timelines with quality deliverables. Developed Database Objects such as Tables, Views, Stored Procedures, Functions, and Triggers using SQL Server Management Studio (SSMS) and T-SQL statements to implement complex business logic. Solid knowledge of SOLID principles. Worked on two factor authentication, policy based authorization and various security features. Applied Localization for Amharic, Afan Oromo, Tigrinya and English. Worked on Azure DevOps for task management, project management, CI/CD. Upgrade existing **Investment Services Information Management System** with Angular and .Net Core.

Applied Micro Service Architecture.

Implemented Report for various features.

Back End Software Engineer

Tahses ICT and Computing PLC

October 2021 – September 2022

Built **Learning Management System** with Laravel PHP and VueJS.

Applied Identity Server for security implementation.

Well applied to all phases of software development.

Back-End Engineer

Ay Technology Solutions

July 2019 – September 2021

Built **Task and Shift Management** with **React/next.js and NodeJS**.

Applied stored procedures and functions instead of ORM so that the performance of the application will be improved.

Built **Health Extension Workers Covid -19 Training System** with Django.

Familiarized with ORMs, IOC and other frameworks.

Carried out collaborative requirement gathering by meeting customers.

Document and follow best design and development practices.

Built reporting tools for projects.

Evaluate and advocate the use of various open source technologies and third party solutions.

Applied Separate Identity Server for generating JWT (as Authorization Server) to access the API (Resource Server)

Familiarity with Singleton, Factory, Observable and other design patterns.

Used GitLab, Jira Software, Bit bucket

Used MongoDB and PostgreSQL Databases.

Good skill of Restful API and GraphQL.

Good skill of Docker, Kubernetes.

Software Developer

Intern TICT Agency Sept 2018 – March 2019

Participated and assisted in designing, coding and testing phases of **Smart Card** Project with PHP (Laravel).

Solved complex algorithms and data structures.

In this internship program I was able to get a good experience by sharing and working together with the team of developers of the Agency .

Educational Qualification

Bachelor of Computer Science and Engineering

Mekelle University- Mekelle Institute of Technology

Sept 2014 – June 2019

CGPA 3.50

Some of Side Projects

Built **Online Sport and Youth Management System**.

Technical Skills

- **Languages:** solid knowledge of Java, C#, C++, PHP, JavaScript ,Python
- **Frameworks:** hands on experience in **Spring Boot, Asp.Net Core , VueJS, Angular, Laravel, Android, Django ,ReactJS ,NodeJS**
- **Databases:** MySQL, SQL Server, SQLite, PostgreSQL, MongoDB
- **Tools:** Git, Docker and AWS technologies, JIRA and Rally, Azure DevOps, GitLab , docker , K8's ,Datadog ,Prometheus.
- Experience on Kanban and Scrum variants of **Agile** Environment
- Adaptable to different technologies and methodologies
- Confident problem-solving abilities to overcome glitches with creative solutions that are strategically designed to last long-term.
- Exceptional knowledge of cyber security, and Networking concepts.
- **Skilled:** Bootstrap, Material UI, DevExpress and TailwindCSS, Vuetify, jQuery

Soft Skills

- Adaptability
- Time management, problem solving, attention to detail, multi-tasking, motivation, and effective interpersonal communication

Areas of Interest

In the areas of web-based industry, mobile-based apps and Machine Learning and Artificial Intelligence.