

YITBAREK WOLDE

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FULL STACK SOFTWARE ENGINEER

Software Engineer with 5+ years of experience in designing, testing, and deploying high-performance web applications, automation, and AI-driven solutions. Proven success collaborating across cross-functional teams to deliver impactful results. Proficient in React, Next.js, Angular, Node.js, Django, Spring Boot, and Microservices, with expertise in REST APIs, WebSocket, and GraphQL services. Experienced in Cloud technologies including AWS, Azure, GCP, and building scalable infrastructures. Adept at AI/ML for automation and predictive analytics. Strong in optimizing CI/CD pipelines and managing databases like Oracle, PostgreSQL, and MongoDB.

Object Oriented Programming • Functional Programming • Algorithms • Microservices • Design Patterns
• Data Structure • AI • SDLC • AWS • CI/CD • Automation

Languages: Typescript, JavaScript, Python, Rust, Java

Web: HTML5, CSS3, Bootstrap, Node.js, React

Cloud Infrastructure: AWS, Azure, GCP

Web Services: REST API, JSON, WebSocket, GraphQL, XML

Frameworks: React Native, Express, Angular, Spring Boot, Django, Tailwind, Next.js

Databases: MySQL, MongoDB, PostgreSQL, SQLite, Oracle, MS Access, SQL Server.

Design Patterns: Singleton, Factory, Observer, Decorator, Builder, Facade

SDLC: Agile (Scrum) , Waterfall, Iterative

CI/CD/ Tools : Neo-Vim, VS code, IntelliJ, Git, GitHub, Postman, Babel, Jenkins, Kafka, Docker, Kubernetes, Jira, AWS, Nodemon, NPM, NG, PIP, Chai, Mocha, JUnit, JSUnit, Selenium, MongoDB Atlas, Helmet, GitLab, GitHub Actions

AI: Agents, LLM, Vector database, LangChain, TensorFlow, Keras, Computer Vision, ML Algorithms

Platforms: Windows, Linux, MacOS, Android

EDUCATION

Master's in Software Development

Maharishi International University, Fairfield, Iowa (Dec - 2024)

Bachelor of Science in Computer Science

Unity University, Addis Ababa, Ethiopia (Oct - 2018)

PROFESSIONAL EXPERIENCE

ADDIS TECH-SOLUTIONS, Addis Ababa, Ethiopia • 04/2019 – 06/2023

Full Stack Software Engineer

Built Web-Based Services

- **Development & Enhancement:** Designed, developed, maintained, and enhanced complex websites, web applications, and productivity tools tailored for small to medium-sized businesses.
- **Cross-Functional Collaboration:** Worked closely with cross-functional teams to achieve project milestones, ensuring smooth integration of technology solutions for build and deployment.
- **Documentation & Policy:** Contributed to user documentation and policy development, ensuring comprehensive support and adherence to organizational standards.
- **Training & Support:** Provided technical training to new employees and end users, including code reviews and detailed specifications.
- **Client Engagement:** Acted as the primary point of contact for clients, effectively communicating technical features and complex ideas, with the ability to influence and address challenging requests.
- **API/Web Service Design:** Designed and implemented APIs and web services to meet client needs and enhance system functionality.

Technologies Used: HTML5, CSS3, Bootstrap, React, Java, Spring Boot, JavaScript, PHP, Jenkins, Python, Django, git, flask, SQL, Oracel. Docker, AWS

KIFIYA FINANCIAL TECHNOLOGY PLC, Addis Ababa, Ethiopia • 08/2018 – 04/2019

Junior Software Developer

Developed Web Service

- **Project Collaboration:** Partnered in project initiation, requirements gathering, and planning phases to ensure precise scope definition and alignment with development goals.
- **Frontend Development:** Built user interfaces utilizing Vanilla JavaScript, Bootstrap, and HTML to deliver a seamless and engaging user experience.
- **Data Management:** Implemented efficient data storage and management solutions using Oracle databases, maintaining high standards of data integrity and accessibility.
- **Automation and API Development:** Engineered automated raw data scraping and processing algorithms, and created robust customer-facing APIs and web services.

Technologies Used: Python, Oracle, JavaScript, Java, Spring Boot, Django, HTML, CSS, Git, Jenkins, Kafka, Docker, Kubernetes, JUnit

PROJECTS

Web Server with Manual Thread Pool (2024)

Developed a basic HTTP server in Rust with a custom thread pool to handle concurrent connections. Utilized Rust's ownership model for thread safety and robust error handling.

Technologies: Rust, Networking, NeoVim

Audio Streaming Platform (2024)

Built a podcast platform featuring secure authentication, AI-generated content, and a responsive UI. Key functionalities include podcast discovery, creation tools, and an enhanced podcast player.

Technologies: Next.js, TypeScript, Convex, OpenAI, Clerk, Tailwind CSS

Pharmacy Inventory System (2024)

Developed a full-stack system with secure authentication, an intuitive UI, and RESTful APIs for efficient medication management.

Technologies: Node.js, Angular18, JWT, Rest Api MongoDB, Express

Library Management App (2024)

Created a cross-platform mobile app using React Native for managing library resources, featuring intuitive CRUD functionality.

Technologies: React Native, Expo, Bootstrap

Online Music Player (2024)

Built a full-stack music platform with secure authentication, stable playback, and dynamic playlist search capabilities.

Technologies: React, TypeScript, Node.js, REST API, Axios