Abraham Afewerki

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San Antonio, Texas, United States

Personal Website

Software Engineer | Full Stack Developer

Introduction

Motivated and dedicated Software Engineer with a comprehensive technical skill set and a strong foundation in software development. Proven experience in designing, developing, and implementing software solutions across various platforms while adhering to industry standards and best practices. Committed to enhancing user experiences and driving innovation in technology.

Skills

- **Languages**: Java, Python, JavaScript, Dart, R, Arduino
- **Web**: HTML5, CSS3, JavaScript, jQuery, Json
- **Frameworks**: Spring Boot, React, Flutter, NodeJS
- **Database**: MySQL, DynamoDB, Postgres, SQL
- **SDLC**: Agile, Waterfall
- **DevOps**: GitHub, Docker, Jenkins
- **Tools**: VS Code, PyCharm, WireShark, Postman, Docker, IntelliJ
- **Platform**: MacOS, Windows, Linux
- **Networking**: IP Networking, VPN, Packet Tracer
- **CyberSecurity**: Kali, Basic hacking skills
- **Hardware**: Raspberry Pi, Esp32, Esp32-cam
- **Soft Skills**: Leadership, Management, Communication, Attention to detail, Persistence
- **Other**: Ticketing, Troubleshooting, Research, Active Directory
- **Cloud Technologies**: Amazon Web Services, OpenShift
- **API Development**: RESTful Services, Spring Framework
- **Automated Testing**: JUnit, Postman

Professional Experience:

Software Developer
San Antonio, Texas

June 2023 - Present

- Designed, developed, and maintained enterprise-level applications using Java, Spring Boot, and MySQL.
- Executed API development and integration in collaboration with cross-functional teams.
- Implemented CI/CD pipelines and utilized tools such as Jenkins and GitHub for automation.
- Participated in Agile methodologies, Scrum meetings, and code reviews to enhance software delivery.

Back end Software Developer
Abu Dhabi, UAE

July 2022 - March 2023

- Developed software features and test cases using Python for IoT devices.
- Collaborated with international teams across different time zones.
- Automated build, testing, and deployment processes using CI/CD practices.

IT Manager
San Antonio, Texas

March 2023 - Present

- Assisted in network installations and troubleshooting for smooth operations.
- Trained staff in networking technologies and ensured effective network management.

Software Developer
Asmara, Eritrea

January 2015 - November 2018

- Collaborated on software projects using Agile methodologies.
- Enhanced user experience by integrating design and product team feedback.
- Maintained and documented programming tasks with Spring framework technologies.

Projects

AI-Powered Resume Builder with Dynamic PDF Generation and Customization
October 2024

Developed a comprehensive resume management system integrating OpenAI API for content alignment and generating polished resumes in PDF format.

- Develop a system for managing and customizing resumes with CRUD functionalities.
- Integrate OpenAI's API to enhance resumes by aligning them with job descriptions.
- Generate professional resumes in PDF format using OpenPDF.
- Implement containerization with Docker for portability and scalability.
- Automate CI/CD processes using GitHub Actions.

Smart Office Occupant Information Display with Live Camera Integration
March 2022 - May 2022

Developed an automated system using ESP32 CAM board for real-time occupant information display with live video feed.

- Design a system to display occupant information upon motion detection.
- Integrate a live camera feed for real-time office monitoring.
- Program the ESP32 board for efficient operation using Arduino IDE.

Online book sharing system in Tigrinya language
January 2021 - May 2022

Developed a dynamic website for sharing books in Tigrinya language using PHP and MySQL.

- Create a platform for storing and sharing books in Tigrinya language.
- Implement a backend system using PHP and MySQL.
- Utilize JavaScript with AJAX for dynamic user interactions.

Certification

- Java 11 Essential Training (LinkedIn)
- Introduction to Network (Cisco certificate)
- Switching, Routing and Wireless Essentials (Cisco certificate)
- Blockchain Beyond the Basics
- JavaScript Algorithms and Data Structures

Education

Bachelor of Science in Information Technology
2019 – 2022, Concentration in Networking and Cyber Security, Zayed University. CGPA: 3.94