Sheikh Saad Abdullah

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Skills & Interests

Skills: Python, HTML, CSS, Bootstrap, JavaScript, jQuery, ReactJS, NodeJS, ExpressJS, MongoDB, Java, C/C++, Git
Interests: Linux, Open-source, Shell Scripting, Automation, Cloud, CI/CD, DevOps, Agile Development, Data Analytics

Work Experience

ReelData AI   **Halifax, Nova Scotia**
Junior Software Developer   *Sept 2023 - Dec 2023*
- Collaborated with a dynamic Agile team on ReelAppetite, a key product, demonstrating strong teamwork and interpersonal skills
- Successfully integrated into a large existing codebase, showcasing adaptability and quick learning
- Implemented features using test-driven development and containerization, contributing to the software's robustness
- Experienced the deployment of code to production, highlighting practical application and impact of contributions

Sensor Technology LTD (COVE)   **Dartmouth, Nova Scotia**
Research Intern   *May 2023 - Aug 2023*
- Configured Raspberry Pi SBCs with OpenPlotter Marine OS for the purpose of developing and testing the Acoustic Projector Control and Logging System
- Developed Python script for generation and playback of audio files from given wavelength and duration
- Implemented module to connect to private Signal K server and utilize its API to effectively retrieve sensor data
- Created a script for logging data from sensors, consuming it via API calls, and storing it in an SQLite database

Project Experience

Resumake - Programmatic Resume Generator   **https://github.com/cybardev/resumake**
Software Developer   *Jun 2022 - Present*
- Modularized code by splitting up project into multiple component files and using proper object-oriented techniques to ensure separation of concerns
- Containerized application in a Docker image via Dockerfile configuration to create self-contained package with proper dependency resolution
- Packaged and published project to Python Package Index (PyPI), DockerHub, and GitHub Packages registries, making it easy and convenient for users to install
- Created GitHub Actions workflows for CI/CD, to automatically build and deploy to package registries on tagged pushes, as well as re-generating personal resume and publishing to static website (https://resume.cybar.dev)

Accessible Blog with CMS   **https://github.com/SMU-Code-C/blog**
Full-stack Developer   *Jan 2022 - Apr 2022*
- Built a 3-page blog website as well as a custom CMS (content management system) admin page
- Created an accessible on-screen keyboard to accommodate client's typing difficulties caused by Cerebral Palsy
- Implemented the blog as a full-stack webapp using Bootstrap, jQuery, AlpineJS, Node, Express, and MongoDB
- Enforced CRUD standards to efficiently handle database operations

Education

Saint Mary's University   **Halifax, Nova Scotia**
Bachelor of Science in Computing Science   *Expected Graduation Date: Dec 2024*
Major Courses: Artificial Intelligence, Data Structures and Algorithms, Software Engineering, Systems Security