Sheikh Saad Abdullah

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Profile

Adaptable and enthusiastic Computer Science major with expertise in Python, JavaScript, Git, Linux, and various standard tools and technologies. Completed two co-op internships in the software development industry and proactively engaged in creating open-source software projects, showcasing a commitment to continuous learning and creative problem-solving. Highly interested in DevOps and Cloud computing, currently preparing for the AWS Cloud Practitioner certification exam.

Education

Saint Mary's University   **Halifax, Nova Scotia**
Bachelor of Science in Computing Science   *Graduation: Jan 2025*
Notable Courses: Artificial Intelligence, Data Structures and Algorithms, Software Engineering, Systems Security

Experience

ReelData AI   **Halifax, Nova Scotia**
Junior Software Developer   *Sept 2023 - Dec 2023*

- Collaborated with a dynamic remote-first Agile team on ReelAppetite - a flagship product - implementing key features according to client requirements, boosting client satisfaction and trust
- Implemented features using test-driven development by creating unit tests and containerized integration tests to be run in the CI/CD pipeline, contributing to the software's robustness and preventing bugs from reaching production
- Developed Python module to annotate videos with metadata consumed from Apache Kafka topics using GStreamer pipelines, allowing farm operators to view video stream information via dashboard

Sensor Technology LTD (COVE)   **Dartmouth, Nova Scotia**
Research Intern   *May 2023 - Aug 2023*

- Configured Raspberry Pi SBCs with Linux to develop and test 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

Projects

Resumake (github.com/cybardev/resumake) Programmatic resume generator published to PyPI and DockerHub, built and deployed using GitHub Actions CI/CD workflow for easy installation and usage. **[Python, Docker, CI/CD]**

CybarPass (github.com/cybardev/CybarPass) Secure passphrase generator with GUI and CLI, published to PyPI. Companion webapp CheckPass can be used to check security of passphrases. **[Python, Cybersecurity, GUI Development]**

Prayers (github.com/cybardev/prayers) API to retrieve Islamic prayer time for a given location and date. Uses serverless functions on the cloud for persistent service. **[JavaScript, API Development, Serverless Functions]**

Accessible Blog (github.com/cybardev/blog) Full-stack webapp with custom CMS and accessible on-screen keyboard made for client with Cerebral Palsy. Group project as part of university course. **[JavaScript, MongoDB, ExpressJS]**

yt.py (github.com/cybardev/ytpy) YouTube media player that uses web scraping techniques to retrieve and play media from YouTube without using the YouTube API. **[Python, Web Scraping, CLI Development]**

Skills

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