

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

Bachelor of Science in Computing Science

Halifax, Nova Scotia

Graduation: Jan 2025

Notable Courses: Artificial Intelligence, Data Structures and Algorithms, Software Engineering, Systems Security

Experience

ReelData AI

Junior Software Developer

Halifax, Nova Scotia

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)

Research Intern

Dartmouth, Nova Scotia

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 reliable 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/yt.py) YouTube media player that uses web scraping techniques to play media from YouTube without the YouTube API. Also translated to Go (github.com/cybardev/ytgo) [Python, Go, Web Scraping, CLI Development]

Skills

Technologies: Python, HTML, CSS, Bootstrap, JavaScript, ReactJS, NodeJS, ExpressJS, MongoDB, Java, C/C++, Git

Interests: Linux, Open-source, Shell Scripting, Automation, Cloud, CI/CD, DevOps, Agile Development, Data Analytics