Devin Smith . Jarvis Consulting

Greetings, my name is Devin Smith and I am a recent graduate from Memorial University of Newfoundlands Computer Engineering program. I have always been interested in technology, starting with video games as a child. I have since gained interest in 3D modeling, statistical modeling and AI applications. I am a fan of competitive games, and enjoy game theory. My other hobbies include model building, and tabletop games, like Mahjong.

Skills

Proficient: Java, Python, Linux/Bash, Agile/Scrum, Git

Competent: RDBMS/SQL, C/C++, VHDL, Angular, Docker

Familiar: Springboot, MacOS, Windows, Javascript, ferm

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_DevinSmith

Cluster Monitor [GitHub]: The Cluster Monitor project measures resource usage by different nodes connected within a Linux Cluster. This was done using Docker to containerize a PostgreSQL instance, and bash scripts which were used to automate data collection into the databases tables using crontab.

Core Java Apps [GitHub]:

- Twitter App: This project is no longer part of the Jarvis training course, but removing this statement breaks the yaml code.
- JDBC App: The JBDC app is a java app built with maven and designed to emulate a stock trade wallet with the ability to check stocks and emulate buying and selling them. It connects with an API endpoint using the OKHTTP library, and collects stock quote data. It is parsed using the Jackson databind library and the data is stored in a Postgresql server. It is dockerized for deployment ease, and features a text based user interface.
- Grep App: The grep app is designed to emulate the grep command line utility. It was built in java, written through VSCode and then dockerized for easy deployment.

Springboot App [GitHub]: Not Started

Python Data Analytics [GitHub]: Not Started

Hadoop [GitHub]: Not Started

Spark [GitHub]: Not Started

Cloud/DevOps [GitHub]: Not Started

Highlighted Projects

Communication Subsystem for the Killick-1 Satallite [GitHub]: Assisted in the development of the communications subsystem on the Killick-1 sea ice measurement satellite, using C.

Professional Experiences

Software Developer, Jarvis (2023-present): Developed an app for measuring resource usage by nodes in a Linux Cluster using Docker, PostgreSQL, and Bash commands. Working on a SQL project currently.

Research & Development, C-Core (September 2021 - December 2021): Created and tested VHDL code for the Killick-1 satellites sea ice measurement technique, 'Delayed Doppler Imaging'. Joined daily scrums and weekly full team meetings.

Full Stack Developer, Innovative Development & Design Engineers Ltd. Newfoundland (2020): Created an online form generation tool using Python and Angular. Created a testing GUI using the TKinter. Created an applet to connect to the Google Maps API for measuring property boundaries

Education

Memorial University of Newfoundland (2017-2022), Bachelor of Applied Sciences, Computer Engineering, Department Engineering and Applied Sciences - GPA 3.5/4.0

Miscellaneous

- List of items
- Winner
- Basketball player
- Competitive gaming
- Previously volunteered with Cumberland Youth Intervention Program