Hargun Bedi . Jarvis Consulting

I am a recent Software Engineering graduate from McMaster University. Currently, I am working for Jarvis Consulting Group. Prior to joining Jarvis, I have completed a few internships and projects that have helped me to gain experience with full-stack web development, qa automation, cloud development and machine learning. I chose software engineering because it combines my interests in problem-solving, technology, and continuous learning. I have always loved seeing how complex problems are often broken down into smaller ones and then solved in a very structured and reasoned way. It is one of the few fields where you constantly need to improve yourself and keep learning, presenting an unique challenge.

Skills

Proficient: Java, JavaScript/TypeScript, Linux/Bash, RDBMS/SQL, Agile/Scrum, HTML/CSS, Git

Competent: Python, Docker, React.js, Node/Express, Flask

Familiar: AWS, MongoDB, PostgreSQL, MySQL, Jenkins

Jarvis Projects

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

Cluster Monitor [GitHub]: Developed a MVP for the Jarvis Linux Cluster Administration (LCA) team, enabling management of a cluster of multiple Linux servers. This project captures hardware specifications and real-time server usage, storing information in a PostgreSQL database for analytics and resource planning. Implemented bash scripts for data collection, utilized Docker for PostgreSQL setup, and used Git and GitHub for version control.

Highlighted Projects

AZ-Shopping [GitHub]: Developed a scalable e-commerce website employing micro-services architecture and various technologies including Node/Express.JS, MongoDB, PostgreSQL, and React. Implemented AWS S3 for image storage, used Docker for deployment on Beanstalk, and established a CI pipeline with Jenkins on an EC2 instance.

Indeed Keyword Scraper [GitHub]: Developed a web scraper that scrapes Indeed for jobs matching a job title, location and keywords present. Leverage Python, BeautifulSoup, Flask, Typescript, and React.

Waste Segregation Classifier [GitHub]: Deployed a Convolutional Neural Network model based on the ResNet50 image classification architecture to help users segregate waste into appropriate bins. Leveraged Python, PyTorch, Flask, React, and Docker.

Professional Experiences

Software Developer, Jarvis (Oct 2023 - present): Developed software solutions for internal use and external clients. Engaged regularly with a dynamic team through daily stand-ups, synchronized on progress, and provided mutual support. Collaborated within a team that was rooted in continuous improvement, emphasized through frequent code reviews, skills assessments, and knowledge sharing.

Software Engineer, Develop For Good (Jun 2023 - Aug 2023): Revamped a not-for-profit organization's website for enhanced visual appeal using React.js and Material UI, and implemented a newsletter feature using a MySQL database and a REST API in Node.js/Express.js.

Application Programmer Intern, Ontario Ministry of Education (May 2021 - Aug 2022): Developed efficient VBScript-based automated testing scripts specifically for Ontario's Program Approval & Registration Information System. I optimized Smoke and Regression test report generation which led to faster reporting of critical bugs. I also used SQL queries to manipulate data, creating robust test data sets for more accurate and comprehensive testing. Additionally, I was an active participant in daily stand-up meetings and adhered to Agile methodologies to ensure the smooth delivery of projects.

Education

McMaster University (2018 - 2023), Bachelor of Engineering, Software Engineering - Summa Cum Laude - 2x Dean's List - GPA: 3.8/4.0

Miscellaneous

- Playing/watching Basketball
- Photography
- Working out at the gym