

Derek Chan . Jarvis Consulting

From Seneca College, I graduated with a Honours Bachelor of Technology - Software Development. Throughout my years studying in the program and working at Nexolink Inc. for a co-op work term lasting close to a year, I learned practical software development technologies and skills such as Docker, Linux Shell Scripting, Agile & Scrum and software application design. My knowledge of software development includes Java, Javascript, Spring Boot, SQL, Docker, AWS/GCP, and Git/Github. Previously, my experience was related to project and processes management at a condominium development consulting company where my focus was spent streamlining workflow processes, making sure that projects were proceeding in a timely manner and managing communication between teams and execution of project phases. As a budding junior developer, I am always looking for opportunities to produce software that will assist in running my life and contributing to my career development.

Skills

Proficient: Java, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git

Competent: Spring Boot, JIRA, Javascript, Google Cloud Platform, Apache Maven

Familiar: Amazon Web Services, C#, CI/CD, Python, Docker

Jarvis Projects

Project source code: https://github.com/Jarvis-Consulting-Group/jarvis_data_eng-drkc94

Cluster Monitor [GitHub]: Developed a monitoring agent program using Bash scripting for recording of hardware specifications and resource utilization of linux clusters. The program was implemented using Bash scripting, Docker, PostgreSQL, and crontab. Testing of the application was done manually. Deployment of the application was done by Dockerizing the PostgreSQL instance to handle data insertion.

Core Java Apps [GitHub]:

- **JDBC App:** Created a inventory and sales order management application using Java, JDBC API, maven, and postgresQL. The application assists with recording and retrieving inventory details and orders of customers in a database. Testing of the application was done manually and results were compared against queries that were executed with DBeaver. Deployment of the database was done with Docker for the PostgreSQL instance.
- **Grep App:** Not Started

Highlighted Projects

Web app for Badminton Club Management and Player Statistics (Shuttlestats) [GitHub]: Currently developing a passion project built with Java, MySQL, and Spring Boot to assist Badminton Club/Group Managers. Testing is done using manual and automated systems such as Postman, JUnit and Mockito. Features included are management duties including tracking of payment history and attendance of players, and player match history/statistics including total win/loss record, and partner win rate/synergy.

Professional Experiences

Junior Software Developer, Jarvis (2023-present): Working as a software developer to assist and develop software solutions for various financial sector clients. The work environment requires an understanding and usage of Agile/Scrum and open, positive mindset for continuous growth and understanding of software development.

Business Operations Assistant, MBRA Canada Inc. (2022-2023): Lead the development of workflow processes and maintaining communications among various teams and companies working on condominium developments. Workflow processes required the knowledge of folder structures and scripting to automate the saving of legal documents and condominium files. Daily reporting was done to all stakeholder individuals/companies to make sure that everyone had the same details regarding projects. Continuous research was done to understand if the workflow processes implemented were suitable for the working circumstances and standards of clients or improvements were required.

Quality Assurance Analyst, Nexolink Inc. (2021-2022): Researched and led a venture focused on allowing clients to scrape their own financial details with automated scripts. Successfully trained a team of five in the usage of Selenium IDE and Postman, resulting in 12% more bugs being caught earlier. Developed Selenium and Postman scripts for unit and integration testing of Foreign Exchange Payment Platform E2EFX.

Education

Seneca College (2018-2022), Honours Bachelor of Technology, School of Software Design and Data Science

Miscellaneous

- I have been playing and training for badminton for over a decade for enjoyment, always looking to improve on how I play
- I love reading about my next potential travel destination
- Growing up with a Dad that loved building computers, I got into it as well and always look into the latest consumer computer technology and building custom PCs for friends and myself