

OMANSH ARORA

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Technical Skills

Languages: Python, Java, C++, HTML/CSS, JavaScript, NodeJS, SQL, Golang, Ruby

Developer Tools: VS Code, Visual Studio, Android Studio, IntelliJ

Technologies/Frameworks: JIRA, GitHub, Gitlab, Docker, JUnit, AWS

Experience

Electronic Arts

Sept 2022 – Dec 2022

Associate Software Engineer Co-op

Vancouver, BC

- Designed and implemented a comprehensive automated test suite with 100+ tests in Python to rigorously test the API, ensuring the elimination of any potential bugs.
- Developed a Python wrapper library to enable tech artists to interact seamlessly with a workflow management application.
- Built and deployed Docker containers, and created a network bridge, in order to provide a secure testing environment that was utilized in the CI/CD pipeline and formed an integral part of the team's routine testing processes.
- Adhered to AGILE principles, actively participating in weekly SPRINT meetings, and fostering a collaborative team environment to drive progress.
- Received a glowing performance evaluation from my supervisor and was nominated for the Co-op student of the year award in recognition of my outstanding contributions to the team's success.

Projects - View all of my projects on GitHub

Full-stack Java Package Delivery Tracker | *Java, IntelliJ*

- Used OOP and Java with IntelliJ to build a graphical package delivery database that could be used by mail carriers/e-commerce to check the delivery status of packages and keep track of inventory.
- Used GSON/JSON libraries and Rest APIs to store and manage the database on a local web server.
- Used SpringBoot to create the local web server and created a REST API.

“Perfect parent” Android application | *Java, Android Studio*

- Android application to make parents' lives easier, with features such as timers, coin toss, and meditation.
- CRUD Functionality, Creation/deletion/editing of child profiles, using these profiles for the various features, using OOP principles and MVC.
- Team project, using AGILE development with various iterations and user stories to understand real-world consumers.

Personal Blog Website | *HTML, CSS, EJS, Express, NodeJS, MySQL*

- Designed a simple blog website to post updates about my career/personal life.
- Used EJS Views and templating to design the website, and Node JS with express to build the backend framework.
- Utilized MySQL to store the blog posts, in order to demonstrate my knowledge of SQL.

Artist Database | *C++*

- Created a database to store artists with various attributes.
- Full CRUD Functionality, Creation/deletion/updating of artist profiles.
- Stored locally in a .txt file, but easily adaptable to use an online database.

Education

Simon Fraser University

Sep. 2020 – May 2024

Bachelor of Science in Computer Science

Surrey, BC

Relevant Coursework

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|------------------------|-----------------------|------------------------|-------------------------|
| • Data Structures | • Algorithms Analysis | • Discrete Mathematics | • Systems Programming |
| • Software Methodology | • Database Management | • Relational Algebra | • Computer Architecture |