

MURPHY LEE

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3rd-year computer science student with a passion for exploring technological tools. Currently seeking an internship in Full Stack, Cloud, and Software Engineering to explore the realm of performant software solutions.

SUMMARY OF SKILLS

Programming: Python, Java, JavaScript/Typescript, Go, SQL, HTML & CSS, C, C++ , R, Bash

Libraries/Frameworks: React.js, Next.js, Node.js, Express.js, MongoDB, Nest.js, Spring Boot, PostgreSQL, GraphQL

Tools: AWS, Docker, Git, Linux, Shopify, Firebase, Jira, JUnit, Mockito, Android Studio

WORK EXPERIENCE

Toyota Canada Inc. | AWS Developer

Jan 2024 – May 2024

- Implemented VPCs and serverless architecture using **API Gateway**, **Lambda**, **CloudFormation**, and more, resulting in a **20% reduction** in infrastructure costs and a significant increase in application performance.
- Developed automated testing frameworks using AWS services such as Elastic Beanstalk, CodePipeline, and CodeDeploy, resulting in a **60% reduction** in testing time and a **30% increase** in test coverage.
- Utilized **15+ AWS Services** to develop multiple interactive **Cost Intelligence Dashboards** with forecasting and expense optimization, **reducing Toyota's AWS Billing** by over 5%

Morado Development | Full Stack Developer

May 2023 – Dec 2023

- Designed and developed multiple **MERN Stack** applications for diverse clients, significantly enhancing functionality and user experience, which contributed to a **20% increase** in company revenue.
- Developed scalable **REST API Microservices** for an online payment system using **Java**, **Spring Boot**, **Kafka**, and **AWS Services**.
- Led the development of a web application using the **Shopify (Liquid) Framework** as **Project Manager**, by utilizing **SCRUM** and **Agile** methodologies with Jira, improving the development team's efficiency by **30%**.

VOLUNTEER EXPERIENCE

AMACSS | Vice President of Technology

Mar 2023 - Present

- Created a full-stack website template with **Flask**, **HTML & CSS**, **JavaScript**, and **MySQL**, utilized by **over 90%** of the participants at the 2023 AMACSS AI Olympics and featured in the winning submission.
- Instructed 100+ participants with programming in JavaScript, Flask, OpenAI API, SQL, and **Python** during several hackathons and initiatives.

Google Developer Student Club | Director of Technology

Sept 2023 - Present

- Led the development of GDSC's GenAI Genesis Hackathon website, implemented in React (Next.js) and Firebase, leading to **1000+ applicants** and **300+ hackathon attendees**.

PROJECTS

PaperVision | [GitHub](#)

- Developed a full-stack website which transcribes academic articles into interactive mind maps to improve reading comprehension, scoring **top 20** out of 400+ applicants at **Hack the Valley 8**.
- Led the implementation of the front end, utilizing **React**, **WebGL**, and **Next.js** for visually appealing pages.
- Implemented the back end, creating a **REST API in Flask** and storing articles with **MongoDB**.

Codewell Mall | [GitHub](#)

- Leveraged knowledge of **Git** and **Jira** to lead a team of four developers using **Agile** methodologies.
- Spearheaded the back-end of a large-scale **Android (Java)** shopping application, employing **Realtime Database (NoSQL)** for syncing between store owners and customers.
- Improved scalability of the codebase by enforcing Object Oriented Principles, **Design Patterns** such as Factory and Adapter, MVP Structure, and **mock testing** with Mockito (JUnit).

EDUCATION

University of Toronto

Toronto, ON

- Program:** Computer Science (Specialist - Software Engineering Stream) + Statistics (Minor)
- CGPA:** 3.99/4.0
- Awards:** University of Toronto Scholar (<1%), James A Priestley Scholar (<1%), Dean's List Scholar (2023)