

# Filipo Marcellino

778-302-5708 | [fmarcellino7@gmail.com](mailto:fmarcellino7@gmail.com) | [Website](#) | [LinkedIn](#) | [Github](#)

## TECHNICAL SKILLS

---

**Languages:** TypeScript, JavaScript, HTML/CSS, Java, Python, C/C++, SQL (Postgres), Assembly, Haskell, Rust  
**Frameworks/Libraries:** React.js, Node.js, Express.js, Next.js, Bootstrap, Tailwind, Chai, Mocha, Spring  
**Developer Tools:** MongoDB, Git, VS Code, Firebase, IntelliJ, PyCharm, Eclipse, Heroku, Vercel, MacOS, Unix, Linux

## WORK EXPERIENCE

---

**Software Engineer Intern** | *Typescript, AWS Serverless, Node.js, Cucumber* May 2023 – Current  
*Aquanow* *Vancouver, BC*

- Collaborated with a team to deliver **TypeScript**-driven back-end features for Aquanow's trading platform
- Deployed efficient REST API endpoints to an **AWS Lambda** function, facilitating the streamlined creation, update, and deletion of records in **DynamoDB** tables
- Pioneered back-end lambda integration testing using **Cucumber**, adapting **Behavior-Driven Development** methods that reduced bugs and increased team productivity
- Leveraged **AJV schema** for strict input validation, enhancing data integrity and error handling.
- Delivered tailored front-end modifications, utilizing **React** and **Material UI**

**Computer Science Teaching Assistant** | *Java, Javascript, HTML, CSS, C++* May 2022 – May 2023  
*Langara College* *Vancouver, BC*

- Offers individualized computer science tutoring for first and second-year courses, resulting in increased understanding and success among students.
- Collaborates with multiple instructors to provide support for computer science course materials
- Marks 80+ programming assignments every week and provides timely, detailed feedback to students

## PROJECTS

---

**SFU Forum** | *Typescript, Next.js, Firebase, Chakra UI, Recoil* | [Website](#) [Github](#) February 2023

- Launched a web-based forum for SFU students that enables seamless course-related discussions and threads
- Utilized recoil and created **custom react hooks** to effectively manage states across different components
- Designed a robust **NoSQL** database solution using **Firebase**, resulting in improved system performance

**Pikko E-commerce website** | *Next.js, MongoDB, Tailwind, ReactRedux* | [Website](#) [Github](#) December 2022

- Developed an e-commerce web application using **Next.js**, enabling customers to easily purchase salad bowls online
- Integrated **Paypal API** to enable seamless transactions
- Implemented a data storage solution using **MongoDB and Mongoose**, resulting in efficient data retrieval time and organized database structure

**Package Deliveries Tracker** | *Java, Java Swing, Spring boot, Gson* | [Github](#) April 2022

- Developed a mock package tracker using **Java Swing** with proper Object-oriented methodology
- Designed a robust **RESTful API** using Spring Boot's RestController

## ORGANIZATIONS

---

**SFU Indonesian Association Website Webmaster** | *Next.js, Bootstrap* | [Website](#) [Github](#) July 2022 – Current

- Operated in a team of 3 to build a website for the Indonesian Association club at SFU
- Leveraged advanced **Git** techniques for seamless collaboration with other developers, maintaining a linear history

## EDUCATION

---

**Simon Fraser University** Graduating April 2024  
*Bachelor of Science, Computing Science in Software Systems* *Burnaby, BC*

**Langara College** September 2020 - April 2022  
*Associate of Science, Computer Science* *Vancouver, BC*

- GPA: 3.95