Filipo Marcellino

778-302-5708 | fmarcellino7@gmail.com | filipomarcellino.xyz | filipomarcellino | filipomarcellino

EDUCATION

Simon Fraser University   Graduating April 2026
Bachelor of Science, Computing Science in Software Systems   *Burnaby, BC*

TECHNICAL SKILLS

Languages: Scala, Java, Python, TypeScript, JavaScript, C, C++, SQL

Technologies: React, Angular, Linux, Git, AWS (EC2, Lambda, S3, CloudFormation) , Docker, Jenkins, Terraform

WORK EXPERIENCE

Visier   January 2025 – August 2025
Software Engineer Intern   *Vancouver, BC*

- Reduced email bounce rates by **87%** (from 38% to 5%) by owning the end-to-end development of the company's first email verification system, securing over **10,000** user accounts across **50+** clients
- Won **1st place** in a company-wide hackathon by prototyping an AI integration layer that enables Large Language Models to consume internal APIs and data via the **Model Context Protocol**
- Reduced an API endpoint latency by **50%** using **Scala**, optimizing performance for over **100,000** user provisions
- Enabled enterprise-wide SCIM adoption by developing a new configuration UI using **Angular** in a 1-week sprint to secure a key customer commitment

Visier   September 2024 – January 2025
Site Reliability Engineer Intern   *Vancouver, BC*

- Automate the transfer of **39 PostgreSQL** tables consisting of **100,000+** rows by engineering a robust, fully-tested data migration tool in **Scala** to enable the company's expansion to a multi-cloud architecture
- Re-architected a tightly-coupled service into a decoupled, serverless pattern by deploying it as an **AWS Lambda** using **Python**, resulting in elimination of shared operational risk and enhanced monitorability
- Use **CloudFormation** and **Terraform** to create service-specific IAM roles, enhancing role separation across services

Aquanow   May 2023 – May 2024
Software Engineer Intern   *Vancouver, BC*

- Pioneered integration tests of over **60+ lambdas** using Cucumber and **TypeScript**, catching **100+ bugs** every week
- Automated Slack notifications for compliance failures using Slack API, cutting response time for the compliance team
- Built a full-stack solution that dynamically allocates **AWS IAM** policies to control customer access to API endpoints
- Maintained API endpoints using **TypeScript** under a serverless AWS framework (API Gateway, Lambda, DynamoDB)

Langara College   May 2022 – May 2023
Computer Science Teaching Assistant   *Vancouver, BC*

- Taught **4** fundamental CS courses using Java, C++, HTML, CSS, and JavaScript
- Offered individualized tutoring to students, with expertise in 11 computer science courses
- Marked **80+** programming assignments every week and provided thorough and timely feedback to students

ORGANIZATIONS

Vancouver Indonesian Association Web Developer   May 2023 – May 2024

- Overhauled the website for **1000+** Indonesian students in Vancouver, migrating to a **TypeScript** and **React** stack as part of a **3**-person team