

Scott Lai

236-978-4688 | tuonglai3602@gmail.com | [linkedin.com/in/tuong-lai](https://www.linkedin.com/in/tuong-lai) | scottdlai.github.io

SUMMARY

Currently a 2nd year Computer Science student at Simon Fraser University. Previously worked as Software Engineer for 3 years with various different technologies and sectors.

EDUCATION

Simon Fraser University <i>Bachelor of Computer Science – CGPA: 4.0</i>	Class of 2026
British Columbia Institute of Technology <i>Computer System Technology Diploma – CPGA: 90%</i>	Class of 2021

SKILLS

Languages: JavaScript/TypeScript (ES6+), Java, Kotlin, Python, Golang, HTML/CSS

Frameworks: Express, React.js, Vue.js, Redux, Vuex, JUnit, Cypress, Jest

Databases: PostgreSQL, MySQL, DynamoDB

Developer Tools: Git, Bash, Docker, AWS, NPM, Maven, Gradle

Others: Agile Development, Distributed System Designs, OOP Design Patterns

EXPERIENCE

Amazon Web Services <i>Software Development Engineer</i>	May 2022 – September 2024 Vancouver, BC
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- One of the founding member of VPC Lattice, a Managed Application Layer Networking service
- Integrated VPC Lattice with CloudFormation, enabling customers to provision and manage VPC Lattice infrastructures as code, responsible for 70% of customer interactions with the service
- Added IPv6 support to the Open Source Application Networking Kubernetes Controller
- Designed and implemented business metrics ETL jobs with AWS Glue, saving on-calls 14 hours per week
- Implemented automated service quota approvals, reducing customers approval quota increase requests approval time by 80%
- On-boarded, and mentored 1 intern during my tenure, helping them delivering results and securing a return offer
- Designed and developed monitoring and alarm systems for micro-services using CloudWatch and other internal tools which improved operational excellence and customer impact mitigation time

Gratify Pay <i>Full-stack Software Developer</i>	August 2021 – May 2022 Vancouver, BC
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- Founding Team Member: Joined as the 4th team member of a startup, leading the development and implementation of the consumer and merchant portal
- Created architecture and implementation for core features such as consumer and merchant dashboard, payer checkout portal
- Reduced application load time by 90% by reducing assets size and redundant NPM dependencies and other techniques such as lazy-loading
- Improved code review process for front end code base by introducing automated functional and unit tests using Cypress and Jest
- Mentored and helped on-boarding 2 new team members ramping up for the first tasks successfully within first week

PROJECTS

BCIT Nursing Department	May 2021 – June 2021
<ul style="list-style-type: none">• Created a full-stack solution for BCIT's Nursing Department to manage the program's courses evaluations in a team of 5• Developed report pages to visualize responses with React, Chart.js, and Material-UI that helped reduce staffs' evaluation process drastically	

BCIT International Student Entry Program	January 2021 – May 2021
<ul style="list-style-type: none">• Led a team of 4 to develop a web application to track students' information and progress throughout the program• Implemented REST APIs with Express and authentication system with Passport.js	