

# Scott Lai

236-978-4688 | [tld3@sfu.ca](mailto:tld3@sfu.ca) | [linkedin.com/in/tuong-lai](https://www.linkedin.com/in/tuong-lai) | [scottdlai.github.io](https://scottdlai.github.io)

## EDUCATION

### Simon Fraser University

Class of 2027

*Bachelor of Computer Science – CGPA: 3.60*

### British Columbia Institute of Technology

Class of 2021

*Computer System Technology Diploma – CPGA: 90%*

## 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 - Private Link

January 2024 – September 2024

*Software Development Engineer*

*Vancouver, BC*

- Migrated public APIs from internal EC2 platform to AWS Lambda, and API Gateway, unifying the customer experience between Private Link's Resource Endpoint and VPC Lattice
- On-boarded, and mentored 1 intern during my tenure, helping them delivering results and securing a return offer
- Migrated routing micro service to next generation hyperplane, resulting in **50% cheaper cost**

### Amazon Web Services - VPC Lattice

May 2022 – January 2024

*Software Development Engineer*

*Vancouver, BC*

- 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, resulting in **80% of customer requests** getting approved within 30 minutes
- 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
- Participated in on-calls duty, solving high severity tickets, and improved operation excellence by reducing overall ticket counts week-over-week

### Gratify Pay

August 2021 – May 2022

*Full-stack Software Developer*

*Vancouver, BC*

- 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

- 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