

EMPLOYMENT

Senior Software Engineer	Amazon	Jun 2022 – Present
---------------------------------	---------------	---------------------------

Technology: Java, Typescript, AWS, GenAI

Product: Employee compensation database

- Designed, implemented, maintained and delivered system of compensation records for 20 million Amazon employees worldwide
- Integrated latest GenAI tools into existing engineering workflows
- Acted as scrum master, hosted daily stand-ups, owned demos to stakeholders/leadership, and organized team events—kept alignment high and helped folks grow technically

Technology: Java, Typescript, AWS

Product: Employee compensation calculation engine

- Developed full stack features for Amazon internal compensation calculator, used by more than 1 million Amazon warehouse employees worldwide
- Designed, implemented, maintained and delivered software features to global customers (US, Canada, Germany, UK)

Software Engineering Lead	Dyne Technologies Inc.	May 2021 – Jun 2022
----------------------------------	-------------------------------	----------------------------

Technology: Javascript, MongoDB, Mongoose, Google Cloud, Scikit-learn

Led the start-up Tech team to develop backend/machine learning solutions to meet business needs:

- Developed backend apis for web and mobile applications, supporting approximately 10000 customers in Vancouver, Canada
- Redesigned software backend architecture, improving the web app performance by up to 120%
- Built MLOps system for restaurant data training, increasing sales by 56%

Full Stack Web Developer	Modo	April 2021 – May 2022
---------------------------------	-------------	------------------------------

Technology: HTML, CSS, PHP, Javascript, PostgreSQL, Laravel, ANTD

Worked in the Development Team to develop the next version of web app:

- Developed full stack features for car booking web app used by around 3000 customers in Vancouver, Canada
- Migrated data from the old RDS database to DynamoDB, increasing performance by up to 10 times
- Participated in building software architecture

EDUCATION

Undergraduate	University of British Columbia	Sep 2015 – May 2021
----------------------	---------------------------------------	----------------------------

Bachelor of Applied Science

- **Major:** Electrical Engineering
- **Academic Awards:** International Leadership of Tomorrow Scholarship, Dean's List, Top 7 of UBC ECE Best Capstone Projects
- **Related coursework:** Algorithms & Data Structures, Building Modern Web App, Machine Learning for Engineers
- **Extracurricular Activities:** Web Development Lead at UBC OpenRobotics

TECHNICAL EXPERIENCE

Projects

- **3D Printing Website (2025):** Built a web app that offers 3D printing service in Lower Mainland
- **Covid Dashboard (2021):** Built a web app that visualizes Covid-19 data on global map
- **UBC OpenRobotics Website (2019 – 2021):** Rebuilt the website in PHP, migrated to new Cloud platform
- **Pedestrian Analytics with Deep Learning (2019 – 2020):** Trained Deep Learning models to detect pedestrian and classify demographic information at 70% accuracy

ADDITIONAL EXPERIENCE AND AWARDS

-
- **Third prize of Amazon Hackathon (2023):** Led the team to build a web application that automatically recommend code reviewers for code change requests.