

# Justin Hua

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## Experience

### Amazon Web Services

Jul, 2023 - Nov, 2024

#### SOFTWARE DEVELOPMENT ENGINEER

Vancouver, BC

- Accelerated new region build times for internal invoicing services by 92% to allow faster service expansion in new region partitions through automations written in **Java**, **TypeScript**, and **Ruby**
- Launched streaming ETL pipelines to export millions of invoicing records per day to data warehouses consumed by over 50 internal teams using **Python**, **Amazon S3**, **Amazon Kinesis** and **Amazon Firehose**
- Designed a new RESTful microservice to schedule and execute load and parity tests across multiple services owned by 7+ teams for a next-gen invoicing platform using **Java**
- Collaborated with cross-functional teams and stakeholders to gather clear requirements and proactively identify potential risks to ensure timely project delivery
- Onboarded new engineers to independence quickly by providing personalized mentoring, frequent feedback, and clear tasks

### Amazon Web Services

May, 2022 - Aug, 2022

#### SOFTWARE DEVELOPMENT ENGINEERING INTERN

Vancouver, BC

- Designed and delivered a troubleshooting platform to replay failed production workflows locally for a distributed orchestration platform using **Java**, **AWS Lambda**, **Amazon DynamoDB**, and **Amazon S3**
- Implemented a flexible data obfuscation module to desensitize customer data from production in development environments
- Consulted with stakeholders and orchestration operators to understand operational pain points and design requirements

### Clio

Jan, 2021 - Aug, 2021

#### SOFTWARE DEVELOPER, CO-OP

Vancouver, BC

- Developed billing management infrastructure to calculate and file sales tax to enable local tax compliance using **Ruby on Rails**
- Reduced daily sales data sync failures by over 90% by redesigning a batching algorithm to resolve concurrency errors from parallel data processing
- Monitored company-wide service and deployment metrics using **Datadog** and coordinated with teams to root-cause and fix drops in service health and availability

## Projects

### Neesh App

- Developed and launched a social media application to provide an anonymous community for LGBTQ2+ students to share and connect safely using **GraphQL**, **React Native** and **Expo**
- Collaborated with UI/UX designers and other developers to scope out an MVP and deliver by project deadlines

### Jygsaw

- Created an online marketplace using **Node.js** and **JavaScript** allowing customers to interact with retailers via video call, facilitating better communication between retailers and consumers

## Education

### University of British Columbia

May, 2023

#### BACHELOR OF APPLIED SCIENCE - COMPUTER ENGINEERING (GPA: 4.1/4.33) WITH DISTINCTION

Vancouver, BC

- **Awards** – Dean's List, Trek Excellence Scholarship, Charles and Jane Banks Scholarship
- **Relevant Coursework:** Principles of Software Construction, Algorithms and Data Structures, Operating Systems, Relational Databases, Machine Learning and Data Mining

## Skills

**Languages** Java, JavaScript, TypeScript, Ruby, Python, SQL, HTML/CSS

**Technologies** Git, Gradle, Docker, Ruby on Rails, DynamoDB, Node.js, Express.js, GraphQL, React