

NICHOLAS CHIN JIE

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SKILLS

Languages

Java, JavaScript, Go

Frameworks

Spring Boot, ReactJS / Redux, Node.js

Tools

Maven, AWS, Jenkins, MySQL, MongoDB, Docker, Kubernetes, Git, Bash

PROFESSIONAL EXPERIENCE

HSBC Bank

MAY 2021 - PRESENT

FULL STACK DEVELOPER

VANCOUVER, B.C

- Developed numerous web applications and RESTful microservices using **ReactJS, Spring Boot and Java** for customers in North America to apply for origination products
- Implemented a 4x faster algorithm to perform and cache related database queries, improving API performance and halving page load times for customers in Canada when applying for certain banking products online
- Made significant contributions to HSBC's automation tooling, continuous delivery, and deployment ecosystem, eliminating 30% of manual work required for deployments

Aquanow

SEP. 2020 - DEC. 2020 | 4 MOS

SOFTWARE DEVELOPER INTERN

VANCOUVER, B.C

- Proposed and developed a centralized logging tool to manage logs across Aquanow's internal services using the **Serverless framework and AWS stack (EC2, Beanstalk, Lambda, DynamoDB)**, and visualizing them using **Elasticsearch and Kibana**, which received positive feedback from the CTO & engineering team

Revenue Monster

MAY 2020 - AUG. 2020 | 4 MOS

SOFTWARE DEVELOPER (CONTRACT)

REMOTE

- Built an e-Payment subscription microservice for customers to make and manage recurring online payments using the gRPC framework for 4x faster payload transmissions, using **Golang, Protobufs, MongoDB and Redis**

HSBC Bank

MAY 2019 - DEC. 2019 | 8 MOS

SOFTWARE DEVELOPER INTERN

VANCOUVER, B.C

- Implemented over 20 back-end features in a large microservice codebase, that perform a variety of background, fraud and credit checks for customers across different countries (**Java and Spring Boot**)
- Led the investigation, design and proof-of-concept implementation of an OpenID Connect based authentication API, while working closely with third-party service vendors and other cross-functional teams

OPEN SOURCE

VCL Web Framework | UBC Data Visualization Research Lab

JAN.2020 - DEC. 2021

PROJECT LEAD

REMOTE

- Led a team of 6 to develop a variety of device-agnostic application features and novel visualizations using **D3.js, JavaScript and Node.js** at Ronald Rensink's lab at the University of British Columbia
- Deployed previously local-only visualization experiments online using **Google Firebase and Heroku** within 4 weeks following the COVID-19 outbreak, to collect large amounts of data on over hundreds of participants and continue running computer-based studies remotely

EDUCATION

University of British Columbia

SEP. 2016 - MAY 2021

B.A IN COGNITIVE SYSTEMS

VANCOUVER, B.C