Charles **Ancheta**

charlesancheta.com | cancheta@ualberta.ca

EDUCATION

UNIVERSITY OF ALBERTA
BSc in Computer Eng. Co-op
December 2023 | Edmonton, AB

LINKS

Github: **cbebe**
LinkedIn: **charles-ancheta**
Devpost: **charlesancheta**

SKILLS

LANGUAGES
TypeScript • JavaScript • Java • Python • C • C++ • Rust • Go • Ruby • Bash • MATLAB • LaTeX

FRONT-END
React • Next.js • HTML • CSS

BACK-END
Node.js • Express.js • NestJS • Ruby on Rails

SQL
MariaDB • MySQL • SQLite • PostgreSQL

NOSQL
Firebase Firestore • Apache Cassandra • MongoDB

MOBILE
React Native • Android Studio

HARDWARE
Arduino • Raspberry Pi

OTHERS
GitHub • Linux • OpenStack • NGINX • Apache HTTP Server • Prometheus

WORK EXPERIENCE

INDUSTRY SANDBOX AND AI COMPUTING | Edmonton, AB
Software Engineer | September 2021 - Present
- Worked with a small team of developers applying Agile practices
- Redesigned "VM on Demand" server with Nest.js to provide a more company-oriented interface instead of focusing on individual users
- Researched application architectures and discussed architectural decisions with the team
- Pair-programmed with new team members to provide insight to the existing codebase
- Reviewed code of new team members to enforce language conventions software engineering best practices

Software Engineer Co-op | February 2021 - August 2021
- Developed "VM on Demand", a full-stack web application from scratch with Express.js and Next.js that provisions virtual private servers to clients using the OpenStack platform
- Deployed the web application to Linux servers and configured NGINX reverse proxies and SSL
- Set up a CI/CD pipeline for the application using GitHub Actions
- Provided on-boarding documentation and developer environment setup for new members of the development team

Network & Systems Analyst Co-op | January 2021
- Deployed Drupal websites to dedicated Linux web servers and updated website content
- Installed and configured software used internally
- Provided clear documentation on the steps taken on installing and configuring servers
- Developed deployment automation scripts in Bash

PROJECTS

HABITS TRACKER | Github: CMPUT301F21T44/HelloHabits
Android, Java, Firebase
Web scraper to get course events like assignment deadlines and online quizzes. Uses Node.js with Puppeteer.

ECLASS EVENTS SCRAPER | Github: cbebe/eclass-event-scraper
Node.js, Puppeteer
Web scraper to get course events like assignment deadlines and online quizzes. Uses Node.js with Puppeteer.

UP BRAIN BY 2% | devpost.com/software/up-brain-by-2
React with Next.js, Apache Cassandra, Linode
A simple Next.js web page that uses Apache Cassandra with Datastax Astra. Hosted on Linode during the hackathon.

WATER APP | devpost.com/software/wapp
React Native, Expo, Express.js, MongoDB
A cross-platform mobile app for water intake tracking. The user sets a daily intake goal and gets hourly reminders to drink water. Has a competitive element by adding friends and viewing each others' progress.