Charles Ancheta

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PROGRAMMING SKILLS

- **Languages**: JavaScript/**TypeScript**, Go, Rust, Python, C, C++, Java, Bash, SQL, HTML, CSS
- **Frameworks/Technologies**: Node.js, Express.js, NestJS, Firebase, React, Redux, Next.js, React Native, Android Studio

EXPERIENCE

Industry Sandbox and AI Computing   Edmonton, AB

Software Engineer   *April 2021 - Present*

- Developed "VM on Demand", a full-stack web application from scratch that provisions virtual private servers to clients using the OpenStack platform.
- Led a small team (<5 people) and worked in pair-programming contexts to provide insight about the existing codebase to new members.
- Application built purely in TypeScript with React and Redux for frontend and Nest.JS for backend.

Network and Systems Analyst   *January 2021 - April 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

Hello Habits

Mobile App — School Project — GitHub: github.com/CMPUT301F21T44/HelloHabits   *November 2021*

- A Habit Tracking app that can help users build good habits and learn about other users' habit building journey. Built with Java and Android Studio.
- Contributed by connecting the application to Firebase and screen navigation. Set up the data models and storing images to Firebase. Also led the teams' stand-ups and project management.

UP BRAIN BY 2%!!!

Web App — Devpost: devpost.com/software/up-brain-by-2 — GitHub: github.com/thyckcorgis/up-brain-by-2 *May 2021*

- A simple web application incorporating multiple different technologies. Receive a mental health boost with a motivational message. Mental Health Hacks 2021 Winner.
- Contributed by doing setting up Datastax, Linode, and Firebase authentication. Also wired up the Next.js application to these services, and deployed the application to Linode.

Water App

Mobile App — Devpost: devpost.com/software/wapp — GitHub: github.com/thyckcorgis/wapp   *February 2021*

- Logging app for water intake. Incorporates competition with friends for accountability and consistency. Receive notifications when you need to drink to ensure you reach your daily water intake goal. HackBU 2021 Winner.
- Contributed by creating the entire MongoDB backend, including setting up notifications with the Expo Push Notification Tool. Also assisted groupmates with React Native and Node development environment setup.

EDUCATION

University of Alberta   Edmonton, AB

B.S. Computer Engineering Co-op - GPA: 3.5   *September 2018 - April 2023*

- **Courses**: Algorithms and Data Structures, File and Database Management, Computer Interfacing, Object-Oriented Software, Operating Systems Concepts