

Jimmy Chung

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SKILLS

TECHNICAL SKILLS

Proficient:

JavaScript • TypeScript • React.js • Redux
Node.js • HTML • CSS • Swift • C • Git

Familiar:

SQL • Java • GraphQL • SASS • Python
Docker • Kubernetes • Machine Learning
iOS Development • Android Development
GCP • AWS • CircleCI • Jira

Worked With:

Three.js • Solidity • Ethereum Development
• C++ • Objective-C • Unity

PERSONAL PROJECTS

SELF ORGANIZING MAP

WINTER 2020

- Self Organizing Map (SOM) used to estimate probability of fraud in credit card applications
- MiniSom library used to train 100 node Self Organizing Map

DISTRIBUTED SUPPLY CHAIN MANAGEMENT APPLICATION ON THE ETHEREUM PROTOCOL

FALL 2019

- ERC-20 complaint payment token developed using Solidity with Geth ethereum client, Truffle framework
- Tested on Ganache local blockchain & Ropsten public test blockchain

TASKER | IOS APPLICATION

SPRING 2019

- A to-do list and reminder iOS application available on the app store. Developed on Xcode using Swift, Cocoa frameworks utilizing Model View Controller (MVC) principles.

EDUCATION

QUEEN'S UNIVERSITY

COMPUTER ENGINEERING

2015-2018 | Kingston, ON

Worked Towards BAsC in Computer Engineering

AMAZON WEB SERVICES

CERTIFIED SOLUTIONS ARCHITECT -

ASSOCIATE

October 2020

EXPERIENCE

RIDEUP | Co-FOUNDER & SOFTWARE ENGINEER

May 2019 – Present | Markham, ON

Frontend:

- Developed React single page application with Redux state management, routing with React Router, React Hooks implemented throughout
- Pursued robust test-driven development with Jest and Enzyme
- Authenticated users with Firebase Authentication, Stripe Connect facilitating payments
- Twilio API, Google Places, Routes API implementation
- Migrated codebase from Javascript to Typescript

Backend & Devops:

- RESTful API with Node and Express complete with Mocha and Chai unit testing, GraphQL API implemented with express-graphql
- Configured AWS S3 to store user files from Android, iOS and Web applications.
- Migrated database from MongoDB to PostgreSQL
- SSL/TLS encryption with Cloudflare CDN, Kubernetes cert manager
- Deploying and managing microservices architecture with Docker and Kubernetes conjunction with Google Cloud Kubernetes Engine (GKE).
- Ensured scalability with Horizontal pod autoscaling and Cluster autoscaling, utilized Nginx Ingress for load balancing
- Cloudflare and NGINX ingress rate-limiting implemented to mitigate DDoS
- Managed GCP IAM roles, projects and organizations.
- Enabled realtime, bi-directional communication between backend and client with Socket.io
- Adhered to CI/CD development practices with CircleCI & Bitbucket
- Automated local Kubernetes development with Skaffold

Android:

- Use of MVC design pattern
- Properly implemented relative, linear and grid layouts
- Minimized code duplication with Fragments

iOS:

- Performed CRUD with Realm persistent database
- Implemented user interface with UIKit, MVC pattern
- Utilized weak variables to avoid retain cycles due to automatic reference counting

CANADA CREATE | FULL STACK DEVELOPER INTERN

May 2018 – Oct 2018 | Toronto, ON

- Designing, building, and implementation of client web applications utilizing MERN stack demonstrating strong proficiency with MongoDB, Express.js, React, Redux, Node.js

MOUNT SINAI HOSPITAL (TORONTO) | BUSINESS INNOVATION & WEB DEVELOPMENT INTERN

May 2017 – Oct 2017 | Toronto, ON

- Utilized HTML, CSS, Javascript, Bootstrap and JQuery skills to enhance the UX/UI of the Sherman Health and Wellness Centre Website, Five Star Catering (Hospital Catering Service).