

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

DECENTRALIZED CROP INSURANCE WITH CHAINLINK INTEGRATION

SUMMER 2022

- Hybrid smart contract contains the index, client wallet address, contract dates/duration, index measurement details, thresholds and payout values.
- Technologies: Solidity, Ethereum, Chainlink

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

EDUCATION

QUEEN'S UNIVERSITY

BACHELOR'S DEGREE

COMPUTER ENGINEERING

2015-2019 | Kingston, ON

AMAZON WEB SERVICES

CERTIFIED SOLUTIONS ARCHITECT - ASSOCIATE

October 2020

EXPERIENCE

CHEXY | SENIOR FULL STACK ENGINEER

Nov 2022 - Present

- The first ever rewards program for renters, allowing them to automate and digitize rent payments, build credit, and earn rewards.
- Architected payments system with ZUM rails and Payroc APIs, processing over \$80 million annual TPV while ensuring PCI compliance
- Developed React single page application with React Hooks
- Migrated to Next.js as the primary framework, ensuring seamless server-side rendering
- Architected and developed a system which enabled credit reporting of rent payments to Equifax via the Metro2 format.
- Implemented Firebase Authentication, Cloud Functions, with Cloud Firestore NoSQL database
- Integrated ZUM rails payment API, webhooks utilized for push notification system
- Adhered to CI/CD development practises by creating deployment pipeline with CircleCI

VERIZON BUSINESS | SOFTWARE ENGINEER

Dec 2021 - Nov 2022

- Wholesale permissioned blockchain application on Hyperledger Fabric
- Managing production workloads on Elastic Kubernetes Service and Amazon Managed Blockchain
- Dockerized backend services using docker-compose with docker images stored in Jfrog Artifactory
- Jenkins pipelines integrated with Ansible Playbooks to automate ETL processes and deployment of microservices
- Created stored procedures and indexes on Oracle DB with PL/SQL reducing query execution times by up to 90
- Configured materialized views in postgres for infrequently updated, expensive data views.
- Provisioned multi region AWS resources with Cloudformation stacks and stack sets

RIDEUP | CO-FOUNDER & SOFTWARE ENGINEER

May 2019 - Dev 2021

- Developed React single page application with Redux state management, routing with React Router, React Hooks implemented throughout
- Pursued robust testing with Jest, React Testing Library and Cypress
- 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
- 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
- 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