CLARENCE ADRIAN

FULL STACK DEVELOPER / ELECTRICAL ENGINEER

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SKILLS

Programming Languages
Javascript, Typescript
Python, C, HTML/CSS

Frameworks/Libraries
React, React Native, Vue,
Django, Electron, Gatsby.js,
Node, GraphQL, Serverless

Cloud Services/Databases
Amazon Web Services,
Google Cloud Platform,
MongoDB, PostgreSQL, Redis

Other Tools
Docker, TravisCI,
Git, Bash, Linux,
JIRA, ZenHub, Notion,
Figma, Framer, Photoshop,

EDUCATION

University of British Columbia
Bachelor of Applied Science
Outstanding International Student
(OIS) Award Recipient
2017 - present

ACHIEVEMENTS

1st Place Winner
Deloitte ThinkTECH 2020
Business-Technology Case
Competition

Hackathons:
OakHacks 2020 (1st Place Winner)
nwHacks 2020 (Wolfram Award)
UBC Biztech Innovation Challenge
(1st Place Winner)

PROFESSIONAL EXPERIENCE

Full Stack Javascript Developer Co-op @ Semios
Vancouver, Canada | January 2020 - present
- Drove the initiative to introduce a dashboard that allows management of inactive/active device configurations, **removing all hard coded device info** across all 5+ internal and customer applications
- Wrote, deployed, and maintained AWS lambdas to **support validating 400M+ daily logs** from agriculture field devices
- Implemented data pipeline that **captures snapshots of 10K+ daily database records** using Fivetran, allowing field technicians to track lure installs and liner changes in 8K+ insect traps
- Developed dashboards to **track 150+ daily device issues** by writing queries to BigQuery in Sisense (BI tool), helping product managers analyze field technician performance and stay on top of issues
- Designed database tables, endpoints, and created internal dashboards to allow storage and management of new inventory data
- Wrote tests and documentation for new database tables and endpoints
- Reduced technical debt backlog on Customer and Internal Web Applications by fixing bugs and refactoring code smells

Technologies: Typescript, React, Chakram, AWS, PostgreSQL, BigQuery, Firebase, Redis, Docker, Travis CI, Aglio, Sentry

TECHNICAL PROJETS

Product Lead/Lead Developer @ VIBEVENT
Event Management Web Application | June 2020 - present
- Spearheaded the migration of a MEVN (Vue) to MERN (React) stack application, including repository setup, documentation, and dev efforts
- Developed a REST-ful Express API connected to a NoSQL database (MongoDB), with unit/integration tests and API blueprints (Aglio, Apiary)
- Implemented user authentication and authorization throughout the MERN stack using AWS Cognito
- Set up automated pipeline to allow continuous integration and deployment of different environments to AWS EC2 and Netlify CDN

Technologies: Typescript, React, Express, Apiary, Dredd, Docker, MongoDB, AWS

Mobile Developer @ CodeTheChange Foundation
Drug Overdose Prevention Mobile App | January - June 2020
- Developed and tested push notifications on a React Native mobile application to allow users to send/receive help requests from each other when within configurable constraints
- Created simple map displays and location services to allow users to share their geographical location and navigate to help requests

Technologies: React Native, Express, MongoDB, Redis, PostgreSQL

Software Developer @ UBC Biztech
Member/Exec Web App | May 2020 - present
- Refactored serverless backend to follow REST API conventions, setting up standards and documentation for future onboarders
- Refactored React application backend to align with component-based design, tracking down and solving numerous bugs and code smells
- Developed user points and privilege system, utilizing DynamoDB Streams to fully automate calculation of each user's total points
- Designed an iterative development process to coordinate design hand-off and feedback between the design and development team

Technologies: JavaScript, React, Serverless, AWS

Software Developer @ Sphvere
Professional Networking Web App | September 2020 - present
- Designed and developed a GraphQL API with search, filter, pagination, and user authentication/authorization support
- Wrote tests and setup an automated testing environment (pytest) for Django GraphQL (graphene) API

Technologies: Python, Pytest, Django, GraphQL, Gatsby.js