

CLARENCE ADRIAN

FULL STACK DEVELOPER / ELECTRICAL ENGINEER

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clarence-adrian

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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) Scholarship 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 to manage device configurations, which helped **remove hard coded device info**, **increase usability**, and **eliminate room for user error** across all 5+ 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 of inventory data used across 8+ applications and services
- Wrote tests and documentation for new database tables and endpoints
- Establish infrastructure for image uploading, hosting, and resizing for use in the internal application using AWS lambdas and S3

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



TECHNICAL PROJETS

Software Developer @ UBC Biztech

Member/Exec Web App | August 2020 - present

- Refactored serverless backend into **8+ microservices**, setting up automatic unit and integration tests to **increase code coverage by 80%**, and establish standards and documentation for future onboarders
- Refactor React application to align with component-based design, **reducing unnecessary API calls by over 75%**, **increasing load times by 25%**, and tracking down numerous bugs and code smells
- Developed user points and privilege system, utilizing DynamoDB Streams to fully automate calculation of each user's total points

Technologies: JavaScript, React, Serverless, AWS, Istanbul.js

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
- Created simple map displays and location services to allow users to share their geographical location and navigate to help requests

Currently serving ~100 users in Downtown Toronto

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

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 multiple environments to AWS EC2 and Netlify CDN

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