Quinten Aiton

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SUMMARY

Solution driven, full-stack developer with a flair for creating elegant robust applications in a fast paced test-driven environment. 3 Years of proven experience in designing, developing and implementing web based products using a variety of modern programming languages, frameworks and libraries such as Typescript, NextJS, ReactJS ExpressJS, Amazon Web Services, Serverless, Django, Material UI and Tailwind CSS. When I am not at my computer you can find me exploring mountains by foot or ski, Searching the coastline for empty waves, Free diving for dinner or just simply enjoying life with friends and family.

KEY COMPETENCIES

Cloud: AWS - S3, API Gateway, AWS Lambda, Cognito, CloudFront, SMS, Route53, Open Search, EC2
Languages/Frameworks: Typescript, ReactJS, NextJS, NodeJS, Serverless, Django, Python HTML5, CSS, Bash, Redux
Databases: MySQL, PostgreSQL, MongoDB, PL/SQL, Sequelize
Dev Ops: Docker, Jenkins, Github Actions, Circle CI, NGINX
Testing: Cypress, Jest, Mocha/Chai, Storybook

EXPERIENCE

Intermediate Full-Stack Software
Locorum   April 2022 - Present, Remote

- *Languages*: Typescript, NextJS, ExpressJS, Sequilize, MySQL, Open Search, Serverless, AWS Lambda, S3, API Gateway, Route53, Cognito, CloudFront, TailwindCSS, Jenkins, Cypress, Jest
- Created and maintained automation scripts, significantly reducing repetitive and time-consuming tasks, resulting in a 95% increase in developer efficiency.
- Designed and implemented Stripe subscriptions for premium profiles in order to help move the company over to a monthly recurring revenue model.
- Co-lead an offshore development team to design, develop, and launch high-quality software products, ensuring timely delivery and adherence to company standards and Agile methodologies.
- Played a key role in moving a monolithic backed into micro-services using NGINX, AWS Lambda and API Gateway, effectively increasing accountability, scalability, performance.
- Implemented end-to-end testing for key areas of our web application and integrated it with CircleCI to automatically run tests on all pushes to our primary branch. This ensured that all critical components of the website were functional before deployment while simultaneously slashing our testing efforts by more than 50%.

Full-Stack Software Developer
The Hakai Institute   May 2021 - April 2022, Remote

- *Languages:* ReactJS, KoaJS, PL/SQL PostgreSQL, Redux, Docker, Bash, CircleCi, Jest
- Played a key role in developing, troubleshooting, analyzing, documenting, and testing software programs.
- Worked closely with field technicians to identify and create new features that helped to automate manual processes and speed up workflows.
- Ensured smooth deployment of new software releases and database rebuilds by conducting thorough testing and developing robust release and rollback plans.
- Created CI/CD pipelines for standalone applications to shorten the development life cycle and enforce testing.
- Provided maintenance and triage support tickets to ensure all urgent tickets were resolved as quickly as possible.

EDUCATION

Diploma of Education - Full-Stack Web Development
Lighthouse Labs · 2021

Bachelors of Science - Geomatics
University of Victoria · BC, Canada · 2020

PROJECTS

Crafty Maps

Crafty Maps is an innovative mobile/web application that is fully integrated with Mapbox, DeckGL and Foursquare's places api allowing users to create, organize, and navigate optimized routes for pub crawls by foot or bike. The apps easy to use interface and step by step navigation provides an intuitive, user-friendly experience making it easy for users to discover new routes, save their favourite ones, and share them with friends.

Languages: React Native, Typescript, NextJS, Django, NextAuth, Mapbox, DeckGL

Accomplishments:
- Gained experience integrating with popular api services such as Mapbox, DeckGL and Foursquare to provide a rich, interactive user experience.
- Knowledge of restful apis and how to use them to fetch location-based data and route information.
- Experience building cross platform mobile applications.
- Gained the knowledge and skills to integrate federated logins from popular providers like Google and Facebook into my application.

Family Matterz

Family Matterz is a mobile-focused full-stack application designed to help families stay organized and in sync. The app centralizes all family matters into one place and includes features such as voting on meal ideas browsing different recipes, collaborating on grocery lists, keeping up to date with a shared calendar, assign tasks and chores to one another and keep in constant communication through our online chat feature.

Languages: React, Express, MongoDB, Cookie-sessions, Material-ui, Web sockets,

Accomplishments:
- Experience working with web sockets to provide real-time synchronization of data across devices.
- Gain a better understanding of front-end design principles and UI/UX best practices for developing a responsive and user-friendly mobile application.
- Improve upon my knowledge of back-end design principles and best practices for building a secure and scalable application using popular frameworks such as Express and MongoDB.
- Experience implementing features such as user authentication and authorization.

Pinnet:

Pinterest-inspired 'resource wall' app. Users can explore, save, and organize links to their favourite resources and like, comment or rate those of others.

Languages: JQuery, Bootstrap, Express, PostgreSQL

Accomplishments:
- Worked as a team of three to design and develop a project on a one week deadline.
- Designed and implemented a database schemas to feed information to our users via Node's EJS templating engine.
- Gained experience deploying the application to a Heroku cloud provider.
- Reviewed and merged code from two other contributors.