

Alec Ng

Frontend Software Engineer

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Work Experience

Groundswell Cloud Solutions

Senior Technical Consultant

Jan 2019 - Oct 2019

- Facilitated the technical architecture of a SaaS application designed to serve 600,000 users by leading client facing sessions on scalability and data modelling/migration strategies
- Led the full development lifecycle of a mobile app feature deployed to over 13,000 users by performing code reviews, organizing sprints, and handling deployments as the developer lead in a team of 6
- Spearheaded the formalization of the company's development security standards based on OWASP and Salesforce guidelines, resulting in the standardization of internal project security testing

Technical Consultant

Sep 2017 - Jan 2019

- Created the front end UI and UX for a customer portal launched to 40,000 active users by transforming designer mockups to HTML, CSS, and JavaScript
- Delivered a public facing map application that enabled users to search and interact with data housed in the client's Salesforce org, logging an average of 8,000 unique searches a day
- Fostered a 1.5 year long relationship with a client where I led the development and delivery of 2 front end applications after transforming high level business needs to project roadmaps

Technical Consultant Co-op

Apr 2016 - Aug 2016

- Supported the development and release of a custom Salesforce integrated subscription system, enabling the client to track payments made through Stripe for their 300 person user base

Avanti Commerce

Software Engineer Co-op

May 2015 - Dec 2015

- Optimized an internal PDF exporting tool by converting it from a server to client side JavaScript application, achieving a 75% reduction in wait time
- Improved an existing product test suite by refactoring portions of it as part of each sprint, resulting in a 20% increase in code coverage

Projects

<https://alecng.ca/blog>

Nov 2019 - Present

- Launched a travel blog using React and Google Firebase to share trip reports with other outdoor enthusiasts
- Published a React based block editor library to npm, an open source registry, that enables users to create custom web blogging content with a drag and drop interface
- Created a custom CMS system that integrates a NoSQL database with a React/Redux application to create, manage, and publish blog posts

Skills and Education

Front-End: React, ES6 JavaScript, Redux, Node.js, Jest, Enzyme, HTML5, CSS3, Webpack

Back-End: Google Firebase, NoSQL/Relational Databases, SQL, Salesforce Apex (Java-inspired OOP Language)

Software Practices: Agile, Git, Continuous Integration/Deployment (CI/CD), Test Driven Development (TDD)

Education: University of British Columbia: Bachelor of Applied Sciences, Computer Engineering with Distinction ('17)