

Andre Iskandar

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Full-stack Web Developer with a passion for problem-solving and designing software with efficient and scalable solutions. Skilled in all aspects of programming, from front-end with React and HTML/CSS to back-end with NodeJS, Express or Ruby on Rails using test-driven development approach. Proficient in configuring microservices architecture and developing web applications. Eager to learn and work with new technologies and frameworks.

TECHNICAL SKILLS

Languages: Javascript ES6, Ruby

Frameworks: React, React Native (Expo), Next.js Node, Express, Ruby on Rails, EJS, JQuery, AWS Amplify, AWS Lambda

Databases: PostgreSQL, ElephantSQL, GraphQL, DynamoDB, Firebase

Developer Tools: Chrome DevTools, Github, Circle CI, Netlify, Heroku

Libraries: Axios, React-router, Moment, Socket.io, Cookie-session, Bcrypt

Testing Frameworks: Mocha, Chai, Cypress, Jest, Storybook, Capybara, Poltergeist, RSpec

VOLUNTEER EXPERIENCE

Full Stack Developer

December 2020 - present

Community Compost Movement

North Shore, Hawaii (Remote)

Environment: React, Bootstrap, Next.js, Firebase, Stripe, Google-Maps

- Develop features and improvements to promote compost movement in a secure, well-tested and performant way
- Collaborate with other developers, product manager and other stakeholders to maintain excellence for quality in a fast-paced, iterative environment to achieve client requirement and functional specification
- Take ownership of the complete product lifecycle from planning to implementation to testing to production
- Implement content management system for website through Sanity platform

PROJECTS

Automated Report Simulator | *A single page application performing hourly simulation of combine harvester performance based on fuel type, auger length, wheel diameter, and random obstacles on a 10-acre square field*

Environment: React, SCSS, Semantic-UI, AWS Amplify, AWS Lambda, GraphQL (AWS AppSync), DynamoDB

- Self-taught AWS Services through reading documentations and watching tutorials to complete project for urgent 2-week deadline
- Scheduled AWS Lambda functions to trigger AWS resources for hourly report logging functionality
- Installed AWS CLI to control various AWS services through SHELL/BASH scripting

Jungle | *An e-commerce portal showcasing multiple product categories with payment processing*

Environment: Ruby on Rails, SCSS, ActiveRecord, SQLite, Heroku

- Developed existing web applications based off Ruby on Rails and MVC design to add user authentication
- Integrated third-party API such as Stripes for payment processing and checkout process
- Implemented automated testing using Capybara, Poltergeist and RSpec

ADTime Scheduling | A full-stack scheduler web app allowing users to assign and transfer shift to employees

Environment: React, Material-UI, SCSS, Express, PostgreSQL, Heroku, Javascript

- Collaborated with two developers to plan, design, build and deploy a single-page-application on a 10-day sprint
- Engineered dynamic components to create customized form and streamline shift registrations on the platform
- Interfaced with back-end database via Axios API calls to organize shifts and implemented synchronization logic to prevent scheduling conflicts
- Reminded employees of upcoming shifts by real-time notification through slackbot and Twilio integration to prevent no-show
- Enabled quick browsing through dates by adding calendar control to improve ease of use
- Developed code logic with focus on re-usability

Interview Scheduler | A scheduler app allowing candidates to book interview

Environment: React, SCSS, Express, Node, PostgreSQL, Javascript, Netlify, Heroku, CircleCI

- Developed, implemented and executed integration testing using Jest, Storybook for edge cases and end-to-end testing with Cypress
- Delivered end-to-end CI/CD pipeline using CircleCI successfully to deploy back-end server to Heroku and website to Netlify

EXPERIENCE

Production Supervisor

2018 - 2020

CIPA Lumber Co. Ltd

Delta, BC

- Provided effective leadership to 40 unionized workforce to ensure compliance with standard operating procedure
- Identified potential safety hazards and took appropriate actions to control and/or eliminate hazards. Hazard occurrence reduced by 15% for two years in a row
- Demonstrated continuous improvement by applying Lean Six Sigma principles to maximize uptime by 8% and reduce waste by 12%

Planer / Sawmill Quality Control Supervisor

2014 - 2018

West Fraser

Chetywnd, BC

- Demonstrated quality assurance functionality pertaining to lumber grading standards
- Managed quality control objectives by implementing an effective QA program. Improved grade outturn of #2Btr by 10% and reduced off-grade lumber by 20% within six months
- Performed machine center studies to gain valuable insight into operational opportunities and quality improvements

EDUCATION

Diploma in Full Stack Web Development

2020

Lighthouse Labs

Vancouver, BC

Bachelor of Science in Wood Products Processing, Minor in Commerce

2008 - 2013

University of British Columbia

Vancouver, BC