

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, Node, Express, Ruby on Rails, EJS, JQuery, AWS Amplify, AWS Lambda

Databases: PostgreSQL, ElephantSQL, GraphQL, DynamoDB

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

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

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

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

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 *Chetwynd, 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*