

Andre Iskandar

Full Stack Web Developer

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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

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

- Developed serverless back-end using AWS services such as Amplify, Lambda, AppSync, and implemented responsive single page web application using React and Semantic-UI on a 14-day sprint
- 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
- Integrated third-party services such as Twilio for text messaging notifications, Ant Design for live calendar functionality, and Slackbot for message notifications
- 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 users to book, edit and cancel interview

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

- Developed, implemented and executed integration testing using Jest, Storybook, 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 - 2028
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