

# 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

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**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

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**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

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**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

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**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