

James McDonell

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EXPERIENCE

Senior Software Developer

June 2021 – Present

inTakt

Remote (Birmingham, Alabama)

- Collaborate with product manager, designer and (some) clients to prioritize feature requests and bug fixes
- Responsible for technical management of project and development team, including system architecture decisions, writing and assigning issues on GitHub, reviewing pull requests
- Rewrote custom client-side schedule logic using TypeScript to significantly enhance schedule functionality and fulfill various client feature requests
- Introduced continuous integration testing via GitHub Actions and the Firebase Emulator, using Cypress for critical user flows and Jest for unit testing of complex logic

Software Developer

March 2020 – May 2021

inTakt

Remote (Birmingham, Alabama)

- Created complex React components for uploading images and pdfs and allowing customers to draw work areas (using SVG) which are updated interactively
- Implemented Google Cloud Functions (Node.js and TypeScript) to handle user invitation emails, invited user sign-up, changes in subscription status, data backup and export to Google BigQuery for project analytics
- Updated project from using React with JavaScript and class components to use React functional components with Hooks and Typescript
- Responsible for configuring the Firebase Security Rules to secure the data stored in the Cloud Firestore database

Software Developer

January 2019 – February 2020

TailorSoft – contracted to Ngin

Medellin, Colombia

- Integrated Ngin's enterprise resource planning (ERP) software with other ecommerce platforms (e.g., Shopify, Magento, Returnly, Return Magic)
- Integrated ERP with fulfillment centres using EDI (Electronic Data Interchange) and CSV documents over SFTP
- Used Groovy to develop core ERP features such as consuming / producing new file types, new admin screens, generating new reports
- Provided SRE support: Investigating and fixing time-sensitive bugs in production using SQL, regex, bash scripting to automate updating values in the database or batch running services. Improving services and processes in codebase to prevent and alert to errors
- Point of contact for Ngin business/brand managers. Responsible for joining daily stand-up meeting with onshore development team and allocating tasks to TailorSoft colleagues. Performed code review for pull requests containing business sensitive changes

Software Developer

October 2018 – December 2018

TailorSoft – contracted to RidgeCrest Herbs

Medellin, Colombia

- Rewrote site front-end using Bootstrap and Vue.js to make website responsive
- Improved design and functionality of various pages, including store checkout process, using Vue.js and Moqui (open-source Java based ERP)

Analyst, Customer Data and Analytics

May 2017 – June 2018

National Australia Bank

Melbourne, Australia

- Used SQL, R and Microsoft Excel to provide insights into the performance of the bank's marketing programs, using customer and sales data stored in a wide variety of new and legacy databases

EDUCATION

University of Adelaide

Honours Degree of Bachelor of Economics (First Class)

Adelaide, South Australia

2015

University of Adelaide

Bachelor of Economics

Adelaide, South Australia

2009 – 2014

EAFIT University

Bachelor of Economics (Academic Exchange)

Medellin, Colombia

2011