

# James McDonell

+57 3107207860 | [contact@jmcdl.com](mailto:contact@jmcdl.com) | [jmcdl.com](http://jmcdl.com)

## EXPERIENCE

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### Senior Software Developer

June 2021 – Present

*TailorSoft (working with inTakt)*

*Medellin, Colombia*

- 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

*TailorSoft (working with inTakt)*

*Medellin, Colombia*

- 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 (working with Nogin)*

*Medellin, Colombia*

- Integrated Nogin'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 Nogin 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 (working with RidgeCrest Herbals)*

*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

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### 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