

JEREMY ELLINGHAM

JavaScript Software Engineer (React, React Native, Node)

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ABOUT ME

My passion for software development began in primary school, where I spent my lunch and after-school hours learning to make 8-bit turtles follow automated paths in MicroWorlds and developing my own simple games with GameMaker and its scripting language GML. In high school I expanded to databases with Microsoft Access and FileMaker Pro, plus more advanced software development in Python and Visual Basic to make clones of Space Invaders and the board game Risk. During my year abroad studying in China, I taught myself Ruby and its framework Ruby On Rails to build a patient information system called DataDoc which I sold as a subscription service to a practice of 12 anaesthetists in my hometown Canberra. The doctors and their nursing staff used it to process more than 10 000 patients until I became too busy studying for my law degree to continue supporting it.

As my degree was coming to an end, I started programming professionally for a legal software startup called Document Modelling. To shift my focus to JavaScript, I also spent some time free lance contracting for my company Seth Industries until I relocated to London to work with similar tech companies in the pharmaceutical (Chillibean) and hospitality (Rota) industries.

I have experience taking responsibility to lead teams on business critical features and mentoring junior developers. I believe cross-functional teams containing developers that actively seek to understand the product and tech stack end-to-end are essential to quality software development. A software team is most productive for the business when it effectively balances business priority fixes and features with code refactoring and cleanup.

I still program on my own projects every single week outside of work. Recently I have launched a React Native mobile application called Report Hero for high school teachers to easily complete their student reports. I am the lead developer and UI designer for the project. The app is continuously delivered with AppCentre for the app and CircleCI for the Node backend. Download and try it yourself (and tell your teacher friends to take a look too!):

- iOS App Store: “**Report Hero Student Reports**” <https://apps.apple.com/gb/app/report-hero-student-reports/id1474397567>

- Google Play Store: “**Report Hero**” https://play.google.com/store/apps/details?id=com.jeremyellingham.reporthero&hl=en_GB

TECHNICAL SKILLS

- **Functional, Reactive and Object Oriented** Programming
- **JavaScript, TypeScript, React Native, React**, Redux, Apollo, **Node**, Express, RxJs, Jest, Webpack, Flow
- **Ruby**, Rails, Rspec, Cucumber, Rubocop, RVM
- **Elixir**, Phoenix
- **Amazon Web Services (AWS)**, Docker, Heroku, Digital Ocean
- **Terraform, Kubernetes**
- HTML, CSS
- **Git**, Mercurial
- **SQL** (MySQL, PostgreSQL) and **NoSQL** (MongoDB)
- **GraphQL**, REST APIs, SDK Integrations (e.g. Stripe, Google Analytics)
- **Linux** (Ubuntu) including shell scripting, OSX
- Agile/Scrum, SOLID, **CI/CD**, **TDD/BDD**, Mobile first
- Slack, Zoom, Skype, JIRA, Confluence

EXPERIENCE

- Present Full Stack Developer at **Rota** rota.com
- Mar 2020 React Native, React, Node, GraphQL, Apollo, Terraform
- Leadership of feature rollout for business-critical partner facing management tools
 - Rewriting old and poorly structured React class components to modern Hooks implementations
 - Design and UX improvements throughout the app. Targeted at improving product professionalism and usability along critical paths. Implementing consistent typefaces and sizing, proper placement and labelling of icons, focussing screens to have a primary CTA etc.
- Mar 2020 Full Stack Developer at **Chillibean** chillibean.com
- Apr 2019 React, Node, Rails, Terraform, Docker, AWS
- Team lead for core business features: custom asset metadata and versioning, AWS SDK file uploads and storage
 - Mentoring of other developers (frontend, backend and DevOps)
 - Technical management and feature integration with externally contracted design partners
 - Computer Systems Validation (CSV) for FDA pharmaceuticals documentation (user and functional requirement specifications)
 - Rewrote existing outdated jQuery to modern React components with Jest test coverage

- Authored and implemented new privately hosted NPM packages for cross platform React code sharing with react-native-web
- Improvement of more than 20% coverage on RSpec test suite
- Suggested and implemented improved coding standards throughout software application with Rubocop and ESLint

Apr 2019 Full Stack Developer at **Seth Industries Pty Ltd** sethindustries.com.au

Nov 2018 React, Rails, AWS, Codeship

- Freelance contracting for clients, including:
- **Wedje Designs** wedje.com.au
 - Technical lead on video interviewing platform greenfields project in React / Node.js, hosting on AWS (LightSail), CI with Codeship
 - JavaScript used to extend functionality for existing websites to improve interactivity and user engagement
- **Questagame** questagame.com
 - Team lead for repair of critical infrastructure during time-sensitive operations crisis
 - Updates, maintenance and code review/guidance of junior developer contributions to Rails backend and React.js frontend
 - Ruby scripts and Cron jobs implemented to automate existing administrative tasks, reducing costs of manual completion and employee time
- **KPMG** home.kpmg.com/au/en/home.html
 - Technical consultant assisting an internal team working with Australian Government Department of Health
 - Created React prototypes in live coding sessions for rapid iteration of new interactive web solutions

Oct 2018 Junior Test Engineer at **Document Modelling** tryprose.com

Feb 2018 Python, Squish, Jenkins

Australian company making Prose, contract drafting software (a “legal IDE”), similar to Microsoft Word with intelligent autocompletion for lawyers drafting contract

- Automation of UI testing with Squish
- Independently assigned to conduct client onboarding, consultation, training and feedback sessions
- Team lead for UI redesign of **Prose** (QT) legal drafting software

PROJECTS

Present UI Designer, Engineer for **Report Hero**

Apr 2018 React Native, Redux, Node, Terraform, MongoDB, AWS, AppCenter

- Deployment to both Google Play and iOS stores, release management

- Built accompanying web platform with backend data storage and processing API. Ruby on Rails. including integration with Google Cloud Speech-To-Text
- Ongoing feature delivery as the project moves to MVP and launch

May 2016 Engineer for **DataDoc** datadoc.com.au

Sep 2013 Rails, PostgreSQL, Heroku

- Sole developer coding **DataDoc**, a patient information software collection software.
- Used by 12 doctors (anaesthetic specialists) in Canberra for management and automated processing of 10 000+ patient files
- Developed with Ruby/Rails for rapid prototyping, hosted on Heroku
- On location client assistance, education, feedback and support

OPEN SOURCE CONTRIBUTIONS

- Mgr-pdf-viewer-react <https://github.com/MGrin/mgr-pdf-viewer-react>
- React-data-table-component <https://github.com/jbetancur/react-data-table-component>

ADDITIONAL SKILLS

- **UI/UX** – User Centered Design, **Adobe XD**, Sketch, Typography
- Written and Spoken **Chinese** and **Spanish**

EDUCATION

Dec 2018 Bachelor of Laws (Hons) & Bachelor of Arts at **The Australian National University**

Feb 2013

Spanish Major, Chinese Minor

- 2017 International Exchange to **Universidad Pontificia Comillas** (Madrid, Spain)
- 2017 International Exchange to **Pontificia Universidad Catolica** (Santiago, Chile)
- 2013 International Exchange to **Peking University** 北京大学 (Beijing, China)