

# Justin Reid

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*Full Stack Developer with a special interest in developing Backends. I enjoys identifying opportunities to reduce costs, increase efficiencies, and drive new ways of working. Recently completed a Certificate in Full Stack Web Development at Monash University whilst concurrently studying for bachelor of IT at RMIT with my goal being a successful transition from a very experienced career in the spatial industry, to a new career in web and software development. Demonstrated natural capabilities building websites, basic software, and micro-games. Exposed to Java, Python, Javascript, HTML, CSS. Advanced technical abilities with GIS, CAD, and surveying platforms. Proven track record managing technical projects by gathering requirements, preparing project plans, and delivering tailored solutions.*

## Technical Skills

**Languages:** Python, Java, JavaScript ES6+, CSS3, HTML5.

**Applications:** PostgreSQL, MySQL, Figma, Docker, ArcGIS, CAD, Trimble Business Center.

**Tools:** jQuery, Bootstrap, Materialize.

**Other:** Machine Guided Construction Vehicles, Remote Pilot License, animator / cartoonist.

## Relevant Projects

### Hangry

<https://lindahubi.github.io/Project-1/index.html>

<https://github.com/LindaHubi/Project-1>

Hangry is a recipe search web app built with HTML5, CSS3, JavaScript, jQuery, and Materialize. It connects to three separate API's to return food and wine listings for site users.

**Role:** Frontend, API's, Backend.

### Weather Dashboard

<https://jayarghargh.github.io/weather-dashboard/>

<https://github.com/JayArghArgh/weather-dashboard>

The Weather dashboard connects to Google Places and OpenWeather API's to return and store user weather searches. The dashboard is built using HTML, CSS3, JavaScript, jQuery.

**Role:** Sole Author

### JayArghArgh

<https://jayarghargh.github.io/>

<https://github.com/JayArghArgh/jayarghargh.github.io>

My Personal portfolio site constructed with HTML5, CSS3, Bootstrap, JavaScript and jQuery. It displays my recent projects and their links.

Role: Sole Author

## Experience

### Developer

2018 – Present

#### Freelance

- Pod137.com is an eCommerce website for Woodcroft Coffee Pty Ltd, I installed and configured this on the Shopify platform. The site required complete configuration, template customisation, and ongoing maintenance.
- Worked part of a team to design and build a darts team management web application using Django, Docker, PostgreSQL, and Bootstrap.
- Worked as part of a two-person team to design and build a discord chatbot game by utilising Python, AWS, PostgreSQL and Docker.
- Created an Android budgeting interface using Figma while focusing on design principles and mockups.
- Designed full safety prestart solution to be utilised in current workplace.

### Spatial Consultant, Spatial Lead, Spatial Manager

2010 – 2021

#### MPC Kinetic

- Introduced new technologies which enabled significantly faster data delivery times.
- Created pipe quantity reporting scripts to allow accurate next-day reporting of pipe installed to date.
- Successfully rolled out mapping systems on mobile devices such as iPads and iPhones which increased project communication and efficiencies.
- Introduced a machine guided technology which reduced the traditional survey methods and increased safety and quality outcomes.
- Built a digital library of 3D pipe components and technical information.
- Created a training suite of new processes and technologies.
- Delivered savings of \$1.2M per year by developing and implementing the direct-to-GIS process of surveyed as-built data on 300km per month pipeline construction project.
- Developed test-pack software for extraction and preparation for pipeline information to maintain administrative and testing compliance.
- Improved efficiencies by developing project-specific data quality assurance processes, which is still current to this date.
- Developed internal mapping system overlaid on Google Earth to display open and closed traffic routers and safety incidents within the project.
- Improved use of open space asset information by delivering custom relational geodatabase and data-dictionary.

## Education

- Certificate, Full Stack Web Development – Monash University, Melbourne, Vic.
- Bachelor of Information Technology (current studies) – RMIT, Melbourne, Vic.
- Certificate IV, Spatial Information – Australian Army.
- Various Military and Spatial Qualifications – Australian Army.