

# Gary Bagnall

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I hope to gain a career working on exciting and innovating projects where I can use my programming knowledge to implement creative and beautiful solutions.

## Technical Skills

### Back End:

Node.js & Python.

### Front End:

HTML, CSS, TypeScript, React.

### Other Tools:

Office 365 deployment and maintenance.

Supporting a MS server environment.

Deploying on AWS.

## Work History

02/19 - Now **Spatial Information Officer.** Permanent.

At the Department of Natural Resources, Mining and Energy I work in the Cadastral and Geodetic data management team. I started here as part of their graduate program and have now moved into a full-time role. The projects I have worked on include assisting with creating a new parcel fabric by digitizing survey plans and maintaining a database to record the results of the project.

Current Project: Online portal for users to login and download specific barcodes.

Stack: React, Node.js & MongoDB.

Project: Transfer information on volumetric survey plans into a viewable 3D format.

Stack: ArcGIS, OracleDB, Python.

Project: Perform text-detection on survey plans to automate data entry in a team of 3.

Stack: React, Python-Flask.

07/17- 02/19 **IT Help Desk.** Permanent.

At Ausure Insurance Brokers I provided support on their software system created for insurance brokers utilizing and supporting Salesforce administration tools. I gained experience with setting up Windows ADK, using Windows PE and USMT.

12/16 - 07/17 **IT Help Desk.** Contract.

At AfterDark Technology I provided exceptional support to customers in an efficient and effective manner. AfterDark is a managed services provider for multiple accounting firms and engineering companies. I focused on monitoring their backups and server alerts.

11/14 - 12/16 **IT Help Desk.** Casual.

At St Vincent Health Australia.

My role in the team was to assist with support tickets and phone calls and act as the first point in escalation for other members of the team.

My Duties included:

Desktop IT support for problems including new device set up, printer support, Active Directory configuration, networking issues, ordering new devices, software installation, re-imaging, remote support, IP phone support, hospital application configuration and general desktop support.

## Education & Training

2019 Graduate Cert. **Geographic Information Science** from UQ

2014 - 2016 **Bachelor of Information Technology** from Griffith University, GPA: 6.4  
Awarded: 2 x Griffith Academic excellence.

2013 - 2014 Diploma in Web Development.

### Key Subjects:

- Algorithms and Complexity.
- Cloud Computing (AWS and Node.js).
- Software Development (Java).
- Web Programming (Laravel).
- Software Architecture (C#).
- Database Design.

### Notable Subjects:

#### Software Development

Created an Inventory Management application in a team of two using test-driven development in Java, using the JDBC bridge with MySQL.

#### Industry Project

Underwent a project for a client which involved developing coding templates in python for a system as a teaching resource for schools.

#### Cloud Computing.

Built a NodeJS Express sentiment application and deployed using Docker using AWS.  
Scaled based on number of tweets received.

#### Geospatial Processing and Web Mapping.

An in-depth look at the Python API for ArcGIS online.

## Referees

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Previous manager.