

Michael Caffery

Junior Software Developer

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mcaffery.dev (portfolio)

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About.

My career has consisted of working in technical roles in both the resources and agriculture industries. I most enjoy creating innovative solutions for challenging problems, which has led to a career change into software development.

My work style is centered around teamwork, good communication, and showing initiative. I am self-motivated and able to work well under pressure.

Education.

Diploma in IT | 2022

Coder Academy

- On track to complete Coder Academy's Standard Full Stack Web Development Bootcamp in November 2022.

Graduate Diploma in Economics | 2018 - 2019

University of New England (External)

Bachelor of Science in Geology (Hons) | 2008 - 2012

University of Queensland

Skills.

Full Stack Development

Languages

- HTML
- CSS
- JavaScript
- Ruby

Application & Data

- React.js
- Express.js
- Node.js
- Tailwind
- Rails
- PostgreSQL
- MongoDB

DevOps

- VS Code
- Agile
- Git & GitHub

Soft Skills

- Teamwork & collaboration
- Client & customer relations
- Management (time, people & projects)
- Accountability
- Critical thinking & problem solving

Projects.

CoCleanup | Term 3 Assignment | Coder Academy

- Currently in the early stages of completing a team capstone project. CoCleanup is a MERN full-stack application designed to help communities better coordinate clean-up events post-natural disaster. Due in late November 2022.
- The tech stack features React.js, Axios, Node, ExpressJS, Mongoose, MongoDB, Jest, Github Actions, Heroku, Netlify

FarmPlace | Term 2 Assignment | Coder Academy | <https://github.com/mickcaff/T2A2-Assignmnet-Marketplace>

- An individual assignment that involved designing, building, and deploying a two-sided marketplace.
- I chose to create an agricultural services marketplace to benefit both farmers and service providers.
- The tech stack features Rails, TailwindCSS, PostgreSQL, Google maps API, Heroku.

CLI Application | Term 1 Assignment | Coder Academy | <https://github.com/mickcaff/T1A3-Assignment-CLI-App>

- An individual assignment that required the designing and building of a terminal application using Ruby.
- I chose to build an application to store recipes with the ability to search for ingredients, select recipes and create a shopping list.

Portfolio Website | Term 1 Assignment | Coder Academy | <https://github.com/mickcaff/T1A2-Assignment-Portfolio>

- Built in week 3 of the Bootcamp, this was an individual assignment that required the design and build of a static HTML/CSS website, which introduced ourselves and could be used as a portfolio.

Experience.

Engineering Geologist / Technician

Core Consultants, Maroochydore, QLD | Jun 2021 - Jan 2022 | 8 mos

- Core Consultants are the Sunshine Coast's largest geotechnical and environmental consultancy.
- Conducted geotechnical site investigations for residential and commercial developments, highway upgrades, contaminated lands and large infrastructure projects across QLD and NSW.
- A key achievement was leading the implementation of Geographic Information Systems (GIS) within the company.

Mineral Exploration Geologist / Field Technician

Gilmore Metals, Junee, NSW | Apr 2020 - Jan 2021 | 10 mos

- Worked as part of a small team that conducted copper-gold exploration near Junee, NSW.
- Collected and processed geological information from rock and soil samples, while updating models and databases.
- Coordinated drilling and surveys across intensively farmed land, requiring a high level of landholder engagement.
- A key achievement was stepping into my manager's role for a six-week period at short notice.

Assistant Agronomist

Crop Management Services, Dalby, QLD | Jun 2017 - Feb 2020 | 2 yrs 9 mos

- Assisted in managing my family's agronomy consultancy on the Darling Downs, QLD.
- Collected field data and provided scientific advice to farmers for the management of broadacre crops.
- Advice included, but was not limited to, crop rotations, planting requirements, soil moisture & irrigation management, fertiliser programs, weed and insect identification/control, defoliation and harvest timing.
- A key achievement was continuing to grow profitable crops during deteriorating drought conditions.

Sabbatical | Overland Travel | Jun 2016 - May 2017 | 12 mos

- Restored a Land Rover in England and drove overland from London to Cape Town down the west coast of Africa.
- Spanning 12 months, 20,000+kms, 28 countries. A great experience meeting the people and learning about the countries, cultures & history of West and Southern Africa. Troubleshooted many border crossings and breakdowns.

Schlumberger, Perth, WA | 3 yrs 4 mos

Oil & Gas Geologist (Geosteering) | Aug 2014 - May 2016 | 1 yr 10 mos

- Schlumberger is the largest provider of oil and gas services worldwide.
- Worked in-house with Perth based oil and gas producers, in charge of coordinating geosteering operations.
- Responsible for implementing Schlumberger's industry-leading drilling technologies to optimally place wellbores.
- A key achievement was leading gas well geosteering operations for two major Queensland coal seam gas producers.

Drilling & Measurements Field Engineer | Feb 2013 - Oct 2014 | 1 yr 9 mos

- Provided specialist drilling support to oil and gas producers on offshore drilling rigs.
- Responsible for the operation of downhole logging and measurement-while-drilling (MWD) tools, that relayed real-time reservoir characterisation and drilling mechanics data.
- Graduated from intensive training programs located in Tyumen (Russia), Abu Dhabi (UAE), and Houston (USA).
- A key achievement during my 1st year was being made 2IC for MWD operations on a 6-month deep sea campaign.

References.

References provided on Request.