

MANAV TRIVEDI

Brisbane, Queensland, Australia

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EDUCATION

University of Queensland

Jan 2021 – Dec 2025

Bachelor of Software Engineering (Honours) and Bachelor of Economics

GPA: 6.20

Relevant Coursework: Data Structures, Algorithms, Object Orientated Programming, Software Architecture, Artificial Intelligence, Statistics, Calculus and Linear Algebra, Cyber Security, International and Financial Economics, Econometrics

Extracurricular: UQ EUS (Engineering Undergraduate Society), UQ Economics Society, Social Soccer, Boulderling

SKILLS

Technical Skills: Python, Golang, Java, C, SQL, HTML, CSS, JavaScript, React, React Native, Jira, Confluence, Git, Linux, Flask, Django, Docker, Terraform, GCP, AWS, Grafana, R

EXPERIENCE

ANZ

Nov 2024 – Present

Cloud Engineer Intern | *Golang, Google Cloud Platform, Grafana, Codefresh, Docker, Terraform*

Brisbane, Australia

- Investigated Google Cloud Platform (GCP) pub/sub and cloud function logs to identify input payloads causing crashes of an internal notification service critical for ANZ
- Created GCP queries and log-based metrics to categorise the errors on a Grafana dashboard and improve monitoring
- Fixed and improved error handling for bad payloads using Golang, preventing all crashes of the cloud functions
- Implemented comprehensive OpenTelemetry tracing in Golang, creating spans for all critical business steps within the service, such as API calls, to improve monitoring. Configured it to export the spans to Google Cloud Trace
- Created Grafana alerting policies with Terraform to monitor the central cloud website in ANZ and send messages to a Slack alert channel to inform the team if the instance or deployment of the website fails, further improving monitoring
- Implemented a new feature and consulting request to post work notes directly to ServiceNow incidents using the internal notification service
- Used Codefresh and Terraform to create a CI/CD pipeline to create Docker images of the pub/sub application and deploy them to GCP
- Followed agile methodology using Jira, Confluence and GitHub for workflow

QCC App

Sept 2024 – Feb 2025

Software Developer | *Python, Django, React Native, Linux*

Brisbane, Australia

- Worked in a startup to create a management app for Queensland Community Clubs (shooting clubs) which currently manage everything with paperwork
- Work in a Linux environment with Django and Python for the backend and React Native for the front-end
- Followed key front-end design principles to keep a maintainable and high-quality codebase through separation of concerns, re-useable components etc.

CMC Global

Jan 2023 – Feb 2023

Automation Tester Intern | *Java, Selenium*

Da Nang, Vietnam

- Designed 38 tests using Java and Selenium to verify expected responses from the project
- Implemented test scripts that automated the behaviour of users on the project website, and designed checks to evaluate the actual responses from the expected responses
- Utilised JMeter to assess the performance of the project, including response time, scalability and stability under load

Australian Laboratory Services

Dec 2020 – Nov 2024

Laboratory Technician

Brisbane, Australia

- Registered and prepared samples for chemists to analyse and worked closely in a team environment to ensure results were delivered to clients on time. Kept an organised environment, with clear communication and teamwork

PROJECTS

SpamOverflow | *Python, Flask, SQL, Terraform, Docker, AWS*

- Utilised Flask and Python to develop a REST API for scanning and filtering spam/malicious emails with a microservice architecture design. Used Docker and Terraform to deploy the API using AWS RDS and EC2 instance

Brewbucks Coffee | *Python, Flask, SQL, React*

- Used React to design and implement the entire front-end for an online coffee ordering service aiming to reduce in-person queues at coffee shops. Worked in a team and contributed to the Flask and Python API deployed on AWS

Just the Facts | *Python, Flask, SQL, Next.js, OpenAI*

- A website that rephrases any given news article to just the essential facts, removing bias and manipulation using a language learning model. Worked in a team of 4 developers, using Next.js front-end, Python and Flask back-end.