

Cole Maguire

Software Developer

github.com/cole-maguire
hello@colemaguire.me

I'm an adaptable, affable full stack Software Developer in Auckland, with 5+ years experience and a focus on diving deep into solving difficult problems. I've worked across several distinct industries, and I've come to thrive on the challenge of adapting to each of those industries, as well as becoming proficient in a number of languages and frameworks along the way. I'm excited to work either in-person or remotely with a team that's as focused on building high quality software as I am.

Languages

- Typescript
- Python
- SQL
- Java

Frameworks

- React
- React Native
- Spring Boot
- Angular

Systems & Tools

- Google Cloud
- AWS
- Git
- Jira

Work History

Software Engineer - Trade Legion

March 2022 - Present

Trade Legion is a startup building a platform to manage construction and recruitment companies, and its small size means that I wore a lot of hats across a full stack. My experiences included:

- Writing and supporting React Native apps for both Android and iOS, as well as a completely separate web app.
- Designing and implementing a serverless backend architecture to integrate multiple third party vendors, connect with our database and serve our front ends.
- Coordinating difficult migrations to address earlier technical debt.
- Providing reviews on other developers code and mentoring junior developers in best practices.
- Having a personal focus on building backend infrastructure for long term sustainability and maintaining security and standards as the codebase rapidly evolved.

Developer - The University of Auckland

September 2021 - March 2022

Following successful completion of a graduate program with the University, I was asked to become a full time member of their Identity team, which involved:

- Maintaining a large range of existing pieces of critical infrastructure relating to Identity and Access Management, including password managers, identity APIs and personnel databases.
- Building and rolling out a revamp of 2FA for staff, with a view to expanding it to students for the first time.
- This meant building with UX, scale and reliability in mind, in order to sell the security benefits to students who hadn't dealt with mandatory 2FA before.

Graduate Developer - The University of Auckland

March 2020 - September 2021

After my internship, I joined the University's graduate program. This was designed to test my adaptability by rotating me through multiple business sectors, including the CRM, student recruitment and Identity teams.

- A constant rotation allowed me to broaden my experience base, and get very used to adapting fairly diverse requirements onto existing infrastructure in the most efficient way possible.
- I acted as a point of communication between those otherwise disconnected teams, in order to translate issues between two very different perspectives and ways of working.

Intern Developer - The University of Auckland

December 2019 - February 2020

For this internship, I was assigned the task of designing and building a replacement for the University's current password management tools for support staff. This assignment required:

- Building a front end website for staff to interact with
- Building a back end API to manage, log and distribute interactions across the domain.
- Working for the first time using modern software methodologies such as Git, Jira and Agile development.
- This project was a significant enabler for moving the university off of some fairly heavy legacy dependency

Developer - Kemsol

October 2017 - July 2018 (Fulltime)

July 2018 - October 2019 (Maintenance)

Kemsol asked for an internal product database to be built from the ground up to support their marketing team. Achieving this meant::

- Gathering business requirements and then designing a database to specifications
- Setting up a new SQL Server to regularly sync with an SAP B1 instance,
- Building a heavily customised Microsoft Access frontend, for users, as well as directly providing support and troubleshooting help directly.
- This tool proved so popular internally that I was asked to expand its scope to other areas of the business, including the chemistry team, and to integrate with BI dashboards and other complex, third-party data sources.

IS Support - Compass Group

September 2017 - September 2017 (4 Weeks) (Fixed Term)

I QA tested an upgrade to the Saffron menu app, used by hospitals and rest homes around the country.

Education

The University of Auckland - (2015 - 2019)

Bachelor of Computer Science

Aquinas College - Tauranga - (2008 - 2014)

References

"Cole developed a comprehensive database to handle our 1200 SKUs and all the technical, QC, marketing and pricing. He started from a blank slate and over 3 months built us an excellent system that is in daily use across our Sales, Admin, Marketing and Operations teams."

Jason Taljard, Operations Manager, Kemsol

Further references are available upon request

Cole Maguire

