



# Dylan McGannon

Senior Software Engineer

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## Brief

I'm a software engineer currently based in Melbourne, Australia.

I have experience in the broad areas of web development, mobile & desktop application development, DevOps & cloud computing.

My previous roles have given me project leadership experience with respect to the coordination of a delivery team utilising agile principles as well as streamlined CI/CD practices.

I have a strong interest in the linux operating system, the kubernetes platform and am highly capable in a variety of programming languages including NodeJS, rust, golang, PHP and in shells like bash and fish.

## Skills, Interests and Achievements

I have used various linux distributions as my primary operating system for over 10 years and am very comfortable working in the linux ecosystem.

In my free time I have contributed to a handful of open source projects including [kubeless](#), VSCode plugins, a [bitcoin tipbot](#) and others.

A recent project of mine is [retro.tools](#) on online agile retrospective tool.

These and other examples of work are available on my github ( [github.com/d0x2f](#) ).

I'm capable in the following technologies:

- DevOps/Infrastructure: Ansible, Terraform, Helm, Kubernetes, Istio, GCP, AWS, Docker, GitLab CI & GitHub actions.
- Web: NGINX, Apache, HA Proxy & Kong.
- Languages: Rust, Golang, NodeJS + ES6, PHP, Python & C/C++.
- Databases: MySQL (+cluster), Postgres (+spilo), Amazon RDS, Google CloudSQL, Redis, ETCD, Prometheus & Elasticsearch.
- Frameworks: Kubeless, Rocket + Diesel (rust), Laravel (php), Angular, VueJS & Svelte.
- Linux: Arch, Ubuntu, Alpine & Bash.

## Education

Monash University, Melbourne, Victoria

*Bachelor of Science (Mathematics Major), 2015*

Griffith University, Brisbane, Victoria

*Bachelor of Information Technology (Computing and Intelligent Systems Major), 2012*

## Employment

**Encapto** — [encapto.com](#)

Melbourne, AU — Senior Software Engineer — 2015 - Present

- Encapto is focused on managing large scale WiFi deployments by providing a feature rich cloud based management platform with a custom built AAA radius solution.
- Large profile clients include Telstra AU, Worldlink Nepal, JIO India and many more around the world.

- When I started at Encapto the technology stack was in it's early stages, being primarily a single large AWS instance with infrequent deployments and minimal monitoring/alerting. Today it is completely transformed with multi-regional kubernetes clusters and zealous adoption of both agile and DevOps principles allowing fast paced development, cost reductions and operational stability.
- Some major projects accomplished in this role:
  - Transition of the platform from a static monolith to a kubernetes native distributed cluster.
  - Development of a new client facing API complete with a comprehensive permissions system.
  - Development of a hardware provisioning system and SMB oriented WiFi management portal as part of Telstra's "Telstra Air Merchant" product.
- Encapto is now developing a promising green-fields product tentatively named Encapto MSP (Managed Service Provider) which, in brief, is an off the shelf white-labeled solution for MSPs to provide a single interface that simplifies many complex enterprise products for their customers. It is designed to be highly extensible and scalable by utilising serverless functions, HA kubernetes and widget based ui controls.
- My main focus for Encapto MSP has been acting as a lead developer and fronting delivery of a robust infrastructure pipeline, an alerting and monitoring solution and general espousal of DevOps principles and best practices for the team.

**Chilli Pepper Media** — [chillipepper.com.au](http://chillipepper.com.au)  
 Brisbane, AU — Software Developer — 2010 - 2012

- This employer had a wide portfolio of clients which demanded a strong knowledge in, and an ability to learn, many different development environments.
- Technologies and tools utilised include:
  - A wide array of programming languages (PHP, JAVA, C#, Objective C among others).
  - Various database solutions (MySQL, MSSQL, postgres and more).
  - Multiple development environments such as Visual Studio, Eclipse (Android SDK) and X-Code (iOS SDK).
- High volume mission critical e-commerce.
- Mobile app development on both android and iOS platforms.