

Jordan Chen

DEVOPS, FULL STACK DEVELOPER

Auckland, New Zealand

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Summary

DevOps Engineer at music software company Serato which is known for Serato DJ, the most popular DJ application globally. Have contributed in the prioritisation of security and infrastructure practises. 4+ years of diverse software engineering experience with specialties in fullstack development, infrastructure operation, and cloud architecture.

Work Experience

Serato

Auckland, New Zealand

DEVOPS/ INTERMEDIATE SOFTWARE DEVELOPER

Feb. 2020 - Current

DEVOPS ENGINEER

- Designed and built **CICD pipelines** across multiple web applications with orchestration tools such as GitHub Workflow, Travis CI, and AWS CodePipelines. This eliminated 70% of manual developer work, thus increasing productivity.
- Converted existing web applications into **Docker containers** for **AWS Elastic Container Service**, increasing both local development speed, shortening local setup time, and reducing cost of cloud service operation by 50%.
- Accelerated web infrastructure deployments through the use of **Infrastructure as Code (IaC)**, specifically with **Cloudformation** and **AWS Cloud Development Kit** in **TypeScript**. Transforming from a deploy time of days, to just over an hour for our entire suite of microservices and cloud resources.
- Written scripts for a wide range of tasks in both **python** and **Javascript**, some of which run on **AWS Lambda**.
- Performed initiatives to secure cloud platform with the use of the principle of least privilege. Giving developers, testers and deployers only the necessary permissions for their daily tasks.
- Mentored numerous junior developers on software development fundamentals, along with guiding them on well-architected cloud frameworks.

FULLSTACK DEVELOPER

- Modularised monolithic web service architecture into microservices with RESTful APIs in **Node.js** and also **PHP**, using the **PHP Slim Framework**. Focusing on high quality object-oriented code. Using **Ngnix** for routing.
- Built unit tests and integration tests using **Jest**, **PHPUnit**, and **Postman**. Utilising test-driven development to ensure clean and concise code.
- Performed data sanitisation on customer PII, log tables, and legacy data across multiple **MySQL** databases using **SQL** scripts on **Amazon Aurora**. Reduced backup snapshot time by 80%, increased testing throughput and reduced test environment provisioning time by 40%.

Xero

Auckland, New Zealand

SOFTWARE DEVELOPER INTERN

Nov. 2017 - Feb. 2018

- Designed and created RESTful API in **C#** using the **ASP.NET Core** framework, and documenting with Swagger.
- Developed dynamic web pages using **React/Redux** and **TypeScript**.
- Worked on continuous integration by using **TeamCity**, Artifactory, and Octopus.
- Built unit tests and integration tests using **Specflow**, **Jest**, and **Postman**.
- Oversaw application performance and errors through Pingdom, Sumologic, and Datadog.

Business Mechanix

Auckland, New Zealand

TECHNICAL CONSULTANT

Nov. 2016 - Nov. 2017

- Team lead on a cross-platform proof of concept **Xamarin** application, built using **C#** and XAML.
- Utilised **Entity Framework** to build a ASP.NET MVC application.
- Hosted on Microsoft Server VM on premises, managed using remote desktop and ssh.

Certificates

- 2023 **AWS Certified DevOps Engineer - Professional**, Amazon Web Services (AWS)
- 2023 **AZ-400: Designing and Implementing Microsoft DevOps Solutions**, Microsoft

Education

University of Auckland

BACHELOR OF ENGINEERING (HONOURS) IN COMPUTER SYSTEMS ENGINEERING

Auckland, New Zealand

2016 - 2019