Jordan **SIM-SMITH**

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Software Engineer

Skills

Languages	**Java**, **Golang**, Python, Node.js, SQL, Bash
Frameworks	**AWS** Serverless Application Model (SAM)
Services	**AWS** Lambda, DynamoDB, S3, API Gateway, Step Functions, CloudFormation
Practices	CI/CD, Unit Testing
Operating Systems	**Linux**, Windows
Software	Git, Vim

Experience

March 2019 – June 2018 | **Software Engineer Intern, Autogrow, New Zealand**

- Designed and implemented several REST APIs in **Golang** on **AWS**. Architected serverless cloud solutions for the APIs, utilising services such as **API Gateway, Lambda, StepFunctions, DynamoDB, S3**.
- Individually architected and implemented a serverless, event-driven push notifications system for browsers. This involved the orchestration of several AWS services, such as **API Gateway, Lambda, DynamoDB, SNS, SQS**.
- Maintained a **Continuous Integration** workflow using **CodePipeline**. Involved BDD style unit tests written using GoConvey and testify. Templated all AWS resources using **CloudFormation**.
- Agile/Scrum environment.

Golang | InfluxDB | Python | AWS | Swagger | REST | Websocket

Education

2020 – 2017 | **Bachelor of Engineering (Hons) - Software, The University of Auckland, New Zealand**

- GPA **8.7/9**
- Dean's Honors List (top 5%) 2017, 2018
- Top Achiever's Scholarship ($20,000) 2017

2016 – 2010 | **NCEA Level 3, Sancta Maria College, New Zealand**

- Dux
- Academic Prefect

Projects

Stock Technical Indicator Calculator

2018-PRESENT

Currently developing a service to calculate technical indicators for securities, such as RSI, MFI, MACD, Bollinger Bands etc. The system is architected using **Docker** microservices. The driving service is written in **Golang**, consuming current stock data and calculting the indicators. Results are saved in an **InfluxDB** database and visualised using **Python** generated dashboards in **Grafana**. The goal is to extend this project into an automated trading bot using a machine learning model trained on the saved, historical data.

Golang | Python | InfluxDB | Grafana | Docker

Personal Website

2018

jordan.sim-smith.co.nz github.com/jordansimsmith/personal-website

Developed a static website about myself using **React.js** and the **Semantic UI** component library. This website contains contact information and a portoflio of personal projects. It is hosted on Github Pages.

React.js | Gatsby.js