JAMES MARINO

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Professional Experience

Senior DevOps Engineer   **June 2019 to Present**

Finder - Full Time Position (https://www.finder.com)

- Supported a global high traffic site with over 2 million monthly active users handling over 100 million requests a month over multiple services
- Responsibilities included site reliability, enhancing developer experience, infrastructure and service optimization
- Working with multiple technologies and languages such as Kubernetes, BuildKite, NodeJS, Prometheus, Traefik, Nats, Stan, New Relic, DataDog, ECS, EKS, RDS, ASM, Kibana, ElasticSearch, PHP, Bash, Java, JavaScript and Go
- Supported the launch of the new Finder App which involved the deployment of multiple microservices to Kubernetes as well as the fine tuning of these services
- Responsibilities were extended into managing CI/CD pipelines, service monitoring and alerting as well as infrastructure cost and performance monitoring
- Involvement in projects regarding CI/CD infrastructure and services migration from Jenkins to BuildKite as well as implementing various efficiencies within these pipelines
- Led the adoption of the Go programming language into the company as well as being the lead writer and maintainer of the companies first Go project
- Heavily involved in infrastructure cost review projects saving the company upwards of $1 Million in AWS costs through infrastructure optimisations and service reviews
- Consolidation of the companies logging, APM, Alerting and Monitoring into a single provider saving the company over $130,000 while simultaneously increasing developer productivity and usage of these services

Full Stack Engineer   **February 2018 to June 2019**

Nod - Full Time Position (https://www.noddocs.com)

- Worked on the product Nod, a platform able to deliver Financial Statements of Advice in real-time using artificial intelligence
- Consistently meeting deadlines and reaching product goals allowing the platform to receive a further $2 Million in Series A investor funding
- Worked in a team of 5 Full Stack developers reporting directly to the CTO
- Backend of the application running on an ECS cluster configuration utilising various AWS services such as Lambda, API Gateway, CloudFormation, CloudFront and SSM
- Backend services written in ES6 / ES7 JavaScript running in a Node.js environment having PostgreSQL and DynamoDB databases
- Front end of the application written in React.js having Redux for state management
- Worked in an agile environment adhering to agile best practices whilst using tools such as Jira, Confluence, Trello, Slack and BitBucket

Full Stack Engineer   **December 2015 to January 2018**

iAccelerate - Casual Position

Finlert (https://www.finlert.com)

- Lead developer for Xero Marketplace app "Finlert" - A Xero Report scheduling service
- Backend of the application taking advantage of a full serverless infrastructure design utilising Amazon Web Services Lambda, API Gateway and Cognito with Lambda Functions written in ES6 and ES7 JavaScript running in the Node.js environment
- Front end of the application using React.js as well as being seamlessly deployed and built using Travis CI to Amazon Web Services S3 Static Hosting and distributed through CloudFront
- Ability to work effectively and efficiently with the client to meet project requirements and deadlines

Farmgate Exchange (https://farmgate.exchange)

- Lead backend developer for web based grain trading application "Farmgate Exchange" - An industry first online platform for buying and selling grain futures
- Backend written in ES6 and ES7 Node.js utilising the Hapi.js framework, MySQL database and React.js implemented in both the frontend and backend
- Heavily involved in technical decision and direction for the project
- Lead role in infrastructure setup, maintenance and management utilising and integrating Amazon Web Services technologies such as EC2, SES, SNS, RDS, S3 and CloudFormation
- Working with a team of 4 developers with both frontend and backend experience

My Game Guru (http://mygameguru.com)

- Lead backend developer for Mobile Application "My Game Guru" - An Australian wide sports game planner mobile application currently with over 10,000+ monthly active users
- Backend written in Node.js utilising Amazon Web Services Lambda infrastructure and the SimpleDB NoSQL Database
- Creation of a front end administrator interface for non technical users to access, edit and delete data which utilises the Bootstrap and JQuery frameworks
- Ability to create backend functionality to cater for the clients continual changes that occurred throughout development
- Development of a static website given from mockups utilising the latest CSS3 specifications

Roberto - Employee Law Chatbot

- Built and led the "Roberto" project - A Facebook Messenger based chatbot aimed to assist small business owners with Australian Employee Law
- Direct involvement with the client working towards the most ideal solution for a MVP
- Backend and logic of the chat bot written in Node.js utilising the Wit.ai natural language API
- Integration with SalesForce to identify the user's businesses and employees when talking to the chatbot

Mobile Applications Developer   **November 2016 to January 2018**

University of Wollongong - Part Time Position

MyUOW (https://james.marino.io/projects/myuow)

- Assisted front end development during the redesign of the University of Wollongong's "MyUOW" mobile application - A student facing app designed to keep students up to date with the University's news and services
- Ability to learn and navigate an already existing and mature code base
- Able to work off given detailed mockups and specifications consistently being able to deliver on time and to the highest possible quality
- Written for Android and iOS utilising Apache Cordova and AngularJS Frameworks

UOW Shuttle (https://james.marino.io/projects/uowshuttle)

- Carried out maintenance and feature work to the mobile application "UOW Shuttle" - A bus timetable app allowing students to plan trips through the Wollongong region with ease
- Confidence in navigating an unfamiliar code base while still being able to quickly tend to bugs and other various major and minor issues
- Written for Android and iOS utilising the Apache Cordova and AngularJS Frameworks

Software Developer   **March 2015 to November 2015**

Smartcorp - Casual Position (http://smartcorp.com.au)

- Working in a team of 5 Developers managing and collaborating between multiple tasks involving Web App Development and Infrastructure management
- Migration and development of an older web app system having both functionality and interface upgraded
- Maintenance and management of infrastructure related activities such as production database backup automation
- Ability to learn Microsoft SQL Server, ASP.NET and VB.NET quickly and efficiently

Systems Analyst   **Jan 2014 to Feb 2015**

BlueScope Limited - Full Time Position (https://www.bluescope.com)

- Integrations Development in Flow Code and Java using the WebMethods platform
- Managing daily support activities quickly and effectively
- Project management, change management, UAT and promotion into a production environment
- Development of technical documentation as well as writing technical documentation for team processes
- Development, integration and test of Web Services between businesses

Personal Projects

You In

Spontaneous Meetups - Mobile Application - 2014

- Honourable Mention in the University of Wollongong's hackathon, "Hackagong" product pitch
- Top 2 ranked team in over 100 participating teams
- Previously in development for iOS and Android, incorporating a Firebase Backend and utilising React Native for front end application development

MySols

University of Wollongong's Student Online Services

Mobile App - https://james.marino.io/projects/mysols - 2014

- Currently a user base of over 10,000+ active users
- Design and creation of user interfaces and layouts using the Xcode IDE
- Testing and research of the organisations existing Web Application to integrate into a new iOS native application
- Storing user credentials securely using the iOS keychain
- Product was sold to the University of Wollongong in 2016

WordFlow

Distraction Free Text Editor

Chrome Web Application - https://james.marino.io/projects/wordflow - 2013

- Currently used by over 2,500+ paying customers with a 4/5 star rating
- Written in pure JavaScript utilising the latest HTML5 capabilities
- Features such as offline access and storage, dynamic word count and menu animations
- A design written in custom CSS styling developed and designed from scratch

Contract Software Development - SCL Systems

2013 to Present - https://scl.systems

Doceo Tutoring

- Integration of a Payment Gateway in order for students to purchase tutoring minutes
- Installation of proprietary Linux based web tutoring software
- Ability to work remotely with a clients across time zones

Why Documentaries - http://www.whydocumentaries.com.au

- Development of a RESTful API with CRUD capabilities using AWS Lambda and API Gateway
- Integration of a Payment Gateway with the Stripe Payment API
- Setup and Installation of an Admin Site built in React JS

Qualifications

Bachelor of Computer Science (Distinction)   **January 2014 to December 2017**
University of Wollongong, Australia

Certificate III in Information Technology   **January 2012 to December 2013**
TAFE Wollongong, Australia

Higher School Certificate   **January 2012 to December 2013**
Holy Spirit College Bellambi, Australia

Voluntary Experience

Hackathon Contestant
"Hackagong", University of Wollongong, Australia   **June 2015**

"Kingdom Hack", University of Wollongong, Australia   **September 2016**

"IoT Challenge", Telstra, Australia   **May 2017**

Radio Show Anchor   **2013 to July 2020**
"Vox FM", Wollongong, Australia