

JAMES MARINO

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Professional Experience

Full Stack Engineer

February 2018 to Present

Nod - Full Time Position (<https://nod.money>)

- 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, CloudFront and SSM
- Backend services written in ES6 / ES7 JavaScript running in a Node.js environment having PostgreSQL and DynamoDB as data sources
- 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://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
- 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
- Usage of Git as the main versioning system
- 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 employers 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://jamesmarino.name/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://jamesmarino.name/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 - 2016

- 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://jamesmarino.name/projects/mysols> - 2015

- 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://jamesmarino.name/projects/wordflow> - 2013

- Currently used by over 2,500+ paying customers with a 4 out of 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

2013 to Present

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 client

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 WordPress hosted on AWS EC2

Technical Skills

Web Technology Skills

- HTML, CSS and Javascript
- ES6 and ES7 JavaScript utilising the Node.js runtime
- React.js, React Native Libraries and AngularJS Frameworks
- PHP and VB.NET
- Frameworks including JQuery, Bootstrap and Material UI for React

Infrastructure and Systems

- Amazon Web Services
 - Using AWS specific services including OpsWorks, Lambda, Route 53, SES, SNS, Cognito, S3, API Gateway, RDS, CloudWatch, CloudFormation, CloudFront, DynamoDB, SSM and IAM
- Unix systems familiarity, heavy use of Debian, Ubuntu and Redhat systems
- Web server setup and configuration with Apache and IIS
- Usage of iTunes Connect and TestFlight for iOS app and beta app distribution

Languages and Databases

- C/C++, Java, Objective-C
- SQL, MySQL, PostgreSQL Amazon SimpleDB, Microsoft SQL Server, Firebase, Cassandra

Qualifications

Bachelor of Computer Science (Distinction)

University of Wollongong, Australia

January 2014 to December 2017

Certificate III in Information Technology

TAFE Wollongong, Australia

January 2012 to December 2013

Higher School Certificate

Holy Spirit College Bellambi, Australia

January 2012 to December 2013

Voluntary Experience

Hackathon Contestant

“Hackagong”, University of Wollongong, Australia

<http://hackagong.com>

June 2015

“Kingdom Hack”, University of Wollongong, Australia

<https://www.kingdomhack.com>

September 2016

“IoT Challenge”, Telstra, Australia

<https://www.telstra.com.au>

May 2017

Radio Show Anchor

“Vox FM”, Wollongong, Australia

2013 to Present