

OSCAR WATSON-SMITH

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EDUCATION

University of Technology Sydney
BS Information Technology

Sydney
March 2016 - June 2020

EXPERIENCE

Resident Advisor
Fullstack Developer

Sydney
January 2017 | Present

- Redesigned our front end framework using React (Next.js and Apollo) with an accompanying internal design system to create a server-side rendered SPA. This included snapshot testing using Jest and storybook prototyping.
- Broke down our main monolith codebase into multiple microservices in the form of .NET Core API's behind a GraphQL layer
- Maintained and expanded an in-house ticketing and payments system that processed large volumes of transactions for high traffic events. Interfaced with multiple payment gateways such as Braintree, WorldPay and ApplePay
- Experienced in working within an agile environment across two teams in London and Sydney operating in week long sprints. Implemented modern software practices and tools such as TDD and CI/CD (Including Jenkins, Teamcity and Octopus)
- Built a newsletter sending system with AWS Simple Email Service that sends over 10,000,000 emails a month with a < 0.01% Bounce and Complaint rate.
- Migrated traditional in-house services to cloud hosted micro services utilising a range of AWS products including EC2, SES, SQS, Lambda and S3. Also developed a speech to text service with Google Cloud

Macquarie Group
Software Developer

Sydney
June 2016 | January 2017

- Developed a Python based web app that utilised two Atlassian API's (Jira & Stash) for internal checks and then emailed summarised information to authorised users. The web app was used by leadership to automate management related requirements before code could be merged
- Created multiple Splunk dashboards that monitored the trading volume of certain commodities and currencies for anomalies. Other dashboards were also used to monitor critical services downtime in the Asia-Pacific region.
- Migrated essential internal applications and services from internal hosting to Amazon Web Services as a part of Macquaries Cloud Initiative. (EC2, Cloudfront, S3, Cognito, Lambda, DynamoDB)

SKILLS

Programming Languages: C#, JavaScript, Python

Technologies / Frameworks: AWS, TeamCity, Octopus, React, Next.js, GraphQL, Apollo

PROJECTS

Nomad Radio *React, Next.js, Node, AWS*

<https://nomadradio.fm>

An independent online radio station broadcasting from Sydney to the world. Utilising React + Next.js to create a highly performant, server-side rendered SPA.