John Santias

DevOps Engineer

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Industry Experience

DevOps Engineer @ April9   October 2020 - Now

In this role John is responsible for the design and reliability of client AWS infrastructure. He works directly with the engineering teams to build and maintain the CI/CD pipelines used for delivering client applications. During the company's ISO27001 certification process John developed the access control, disaster recovery, secure development and server hardening policies required. As part of the ongoing client relationship he performs regular system maintenance, security patching and cost optimisation to ensure services are highly available, secure and efficient.

Software Engineer @ Infosys   February 2020 - October 2020

During his time at Infosys John led a project to build an automated testing tool for database migrations. The tool was used to validate schema changes between SQL and NoSQL databases. It was successfully utilised in a large scale migration for a government client.

Software Engineer @ Weko Health   December 2019 - January 2020

John was contracted by Weko Health to design and build a MVP of their patient onboarding system for general practicioner offices in Brisbane. He was responsible for developing the frontend and backend systems as well as the infrastructure and security controls.

DevOps Engineer @ TechConnect   April 2019 - September 2019

During his undergraduate studies John completed an internship as a DevOps engineer where he was responsible for migrating a business intelligence tool from EC2 based infrastructure to a serverless application framework.

Co-founder at NestedOS   July 2018 - June 2019

After competing in a student hackathon, John formed a team of computer science students and developed a desktop streaming application that facilitated virtual classrooms. After the hackathon the NestedOS team kept developing the software and successfully deployed it for cybersecurity training.

Student Software Engineer @ CSIRO   July 2018 May 2019

As part of a university capstone project, John led a team of undergraduate software engineers to develop a data analysis system. The system was based on Elasticsearch and included complex search functionality for researchers to quickly find relevant data to be included in disease studies.

Qualifications

2022 AWS Certified Developer Associate
2021 AWS Certified Cloud Practitioner
2021 Bachelor of Information Technology
       Major in Computer Science, Minor in Network Security
       Queensland University of Technology

Awards

2019 Tanda Hackathon Best Technical Project
2018 Clipchamp Hackathon - Honorable Mention
2018 Golden Key International Honour Society
2014 Aquinas College Diligence Award for IT

Side Projects

Software Engineer @ QUT   October 2019 - November 2020
- Designed and implemented the REST API endpoints and game logic to authenticate users and synchronise game progress with the front-end
- Performed CRUD operations with a PostgreSQL DB using promise-based sequelize NodeJS ORM
- Delivered text notifications through the Clicksend REST API

General Committee @ QUT Code Network   October 2019 - November 2020
- Mentored and advised IT students on their journey through uni and career
- Assisted the club in the execution of events and the development of the club
- Opened communications between the club, students, and industry professionals

Co-Founder & Vice-President @ QUT White Hats   December 2018 - November 2019
- Co-Founded a cybersecurity club to bring more interest and expand the university curriculum
- Delivered talks based on networking fundamentals, Kali Pentesting tools, and Reverse engineering APIs
- Developed CTF challenges for members from web applications and cryptography to forensics
- Connected industry professionals to university students through club events

General Committee @ QUT Starters   November 2018 - November 2019
- Assisted the club in the execution of events and the development of the club
- Guided student participants through their startup journey to transform their idea to reality
- Contributed to the development and execution of the annual Disrupting Law Hackathon in association the QUT White Hats club