

Summary

Currently working on the Optus Living Network as a Product Engineer to help design, develop and support new products.

I am driven to always keep learning new skills to help better deliver value and always interested in opportunities at places that are continuously looking to improve and innovate.

I bring a diverse skill set including technical skills covering system design, full-stack development as well as devops practices but also the skills necessary to lead a team from the start of a project and take it to production within the required timeframes.

Education

University of Technology Sydney (UTS)

Mar 2016 - Present

Bachelor of Engineering (Honours) Diploma in Professional Engineering Practice

Major in Software Engineering

Skills Profile

Technical Skills

- Experience building NodeJs applications in Typescript across a variety of applications including Optus Pause and Call Translate
- Experience in React using TypeScript, building components for the adviser site for mlc.com.au as well as for Voice Notes an internal tool at Optus and Optus Pause.
- Experience with AWS, supporting and deploying services in development and production environments utilising a number of AWS services.
- Experience in Android development working on two applications at university building an application for doctors to connect with patients as well as another application connecting charities with volunteers.
- Experience working with OpenShift setting up build/deployment config for services I've built as well as onboarding another team onto it providing documentation, a config generation repo using Jinja2 templating and overall guidance.

Employment

Optus, Macquarie Park

Aug 2020 - Present

Devops Engineer (Product Engineering)

- Setup the initial Nodejs application architecture for Optus Pause including a Yeoman generator for setting up microservices
- Have built a significant number of NodeJs applications to enable product functionality for Call Translate and Optus Pause
- Setup practices on managing Kubernetes configuration with Kustomize enabling 1 press deployment for entire application infrastructure

- Setup an end-to-end backend testing framework to validate product functionality in minutes for Optus Pause and Call Translate
- Supported migration of several applications into networks for core components of Call Translate

Optus, Macquarie Park

Sep 2019 – Aug 2020

Devops Engineer (Research & Development Team)

- Onboarded a team onto the OpenShift platform who previously deployed their applications on VMs. Provided guidance, documentation, configuration repos (build/deployment) and Jenkins pipelines for managing all of this.
- Leading the front-end development effort for Voice Notes, a React application that provides real time voice transcription and call summarisation for contact-centre agents.
- Developed a few microservices in Typescript that utilised Kafka and/or Postgres to persist data which enabled feedback from agents on Voice Notes as well as call summarisation.
- Helped manage the CAB approval process for Voice Notes ensuring all tasks were complete and approved in order to take the application to production.

National Australia Bank, North Sydney

Jan 2018 – Sep 2019

Software Engineer

- Improved an existing microservice deployment job in Jenkins. Through making use of stages and utilising a canary deployment method, I enabled day-time releases of our microservices.
- Extended existing microservice deployment job in non-production, making use of blue green deployments, improving the consistency, time to provision and removing redundant stacks being leftover to overall enhance developer productivity.
- Improved existing CI/CD for AEM (Adobe Experience Manager) applications through chaining the build and deployment processes enabling automatic deployment of these applications into our non-production environments.
- Updated a number of our microservices running as Springboot applications to utilise a configuration server to dynamically pull config on application start-up.
- Took responsibility and completed multiple releases of my team's applications into production.
- Worked on backend and frontend development for mlc.com.au using Java EE, Spring framework, Oracle DBMS, PLSQL, Typescript, Angular, React, JUnit, Selenium

Achievements & Certificates

- Dean's List (2020)
- Akamai Web Performance Foundations (2018)
- AWS Certified Developer – Associate (2018 - 2020)
- Wisetech Global Software Development Studio Prize (2017)
- Wisetech Global Software Engineering Prize (2018)
- Dean's List (2019)

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<https://github.com/Jahmilli>

Appendix

Academic Transcript

This is an e-record produced by this student for their personal use from an online web accessible system. This is not an official University academic transcript and it does not contain a full academic history for this student. A copy of this document should not be accepted as an official University document.

University of Technology Sydney

Online Student Record

Sebastian Carl H Southern
Student Number: 12582678

C09067 Bachelor of Engineering (Honours) Diploma in Professional Engineering Practice (Active)

Major in Software Engineering

Thesis Title:

Enrolled Subjects

				Result	Mark		
48730	Cybersecurity	2020	AUT	ENROLLED	6		
48270	Entrepreneurship and Commercialisation	2020	AUT	ENROLLED	6		
41081	Sensing, Actuation and Control	2020	AUT	ENROLLED	6		
41096	Software Engineering Studio 2B	2020	AUT	ENROLLED	6		
41900	Cryptography	2020	SPR	ENROLLED	6		
31282	Systems Testing and Quality Management	2020	SPR	ENROLLED	6		

Completed Subjects

35010	Foundation Mathematics	2016	AUT	DISTINCTION	77	6	6
48410	Introduction to ICT Engineering	2016	AUT	DISTINCTION	81	6	6
48023	Programming Fundamentals	2016	AUT	CREDIT	69	6	6
48230	Engineering Communication	2016	SPR	DISTINCTION	75	6	6
33130	Mathematical Modelling 1	2016	SPR	PASS	61	6	6
68037	Physical Modelling	2016	SPR	DISTINCTION	75	6	6
48024	Applications Programming	2017	AUT	HIGH DISTINCTION	89	6	6
48240	Design and Innovation Fundamentals	2017	AUT	HIGH DISTINCTION	85	6	6
48510	Introduction to Electrical Engineering	2017	AUT	DISTINCTION	78	6	6
33230	Mathematical Modelling 2	2017	AUT	CREDIT	70	6	6
31269	Business Requirements Modelling	2017	SPR	HIGH DISTINCTION	90	6	6
31271	Database Fundamentals	2017	SPR	DISTINCTION	77	6	6
41035	Engineering Practice Preparation 1	2017	SPR	DISTINCTION	76	3	3
31270	Networking Essentials	2017	SPR	CREDIT	68	6	6
41036	Engineering Professional Experience 1	2018	AUT	HIGH DISTINCTION	89	6	6
41037	Work Integrated Learning 1	2018	AUT	HIGH DISTINCTION	89	12	12
48433	Software Architecture	2018	SPR	HIGH DISTINCTION	88	6	6
41094	Software Engineering Studio 1B	2018	SPR	HIGH DISTINCTION	98	6	6
41038	Engineering Practice Reflection 1	2018	SUM	DISTINCTION	81	3	3
31251	Data Structures and Algorithms	2019	AUT	HIGH DISTINCTION	91	6	6
48430	Fundamentals of C Programming	2019	AUT	HIGH DISTINCTION	91	6	6

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Major in Software Engineering

41093	Software Engineering Studio 1A	2019	AUT	HIGH DISTINCTION	99	6	6
48250	Engineering Economics and Finance	2019	SPR	CREDIT	72	6	6
41045	Engineering Practice Preparation 2	2019	SPR	DISTINCTION	78	3	3
48260	Engineering Project Management	2019	SPR	CREDIT	66	6	6
41095	Software Engineering Studio 2A	2019	SPR	HIGH DISTINCTION	100	6	6

Total Credit Points Gained 153
GPA 3.46

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