

## 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](http://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)

## Appendix

### Academic Transcript

Date printed: 13 January 2020  
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### 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
48410	Introduction to ICT Engineering	2016	AUT	DISTINCTION	81	6
48023	Programming Fundamentals	2016	AUT	CREDIT	69	6
48230	Engineering Communication	2016	SPR	DISTINCTION	75	6
33130	Mathematical Modelling 1	2016	SPR	PASS	61	6
68037	Physical Modelling	2016	SPR	DISTINCTION	75	6
48024	Applications Programming	2017	AUT	HIGH DISTINCTION	89	6
48240	Design and Innovation Fundamentals	2017	AUT	HIGH DISTINCTION	85	6
48510	Introduction to Electrical Engineering	2017	AUT	DISTINCTION	78	6
33230	Mathematical Modelling 2	2017	AUT	CREDIT	70	6
31269	Business Requirements Modelling	2017	SPR	HIGH DISTINCTION	90	6
31271	Database Fundamentals	2017	SPR	DISTINCTION	77	6
41035	Engineering Practice Preparation 1	2017	SPR	DISTINCTION	76	3
31270	Networking Essentials	2017	SPR	CREDIT	68	6
41036	Engineering Professional Experience 1	2018	AUT	HIGH DISTINCTION	89	6
41037	Work Integrated Learning 1	2018	AUT	HIGH DISTINCTION	89	12
48433	Software Architecture	2018	SPR	HIGH DISTINCTION	88	6
41094	Software Engineering Studio 1B	2018	SPR	HIGH DISTINCTION	98	6
41038	Engineering Practice Reflection 1	2018	SUM	DISTINCTION	81	3
31251	Data Structures and Algorithms	2019	AUT	HIGH DISTINCTION	91	6
48430	Fundamentals of C Programming	2019	AUT	HIGH DISTINCTION	91	6

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### Online Student Record

Sebastian Carl H Southern  
Student Number: 12582678

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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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