

# Oliver Smith

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## Summary

A well rounded technology and software developer with extensive experience in driving the development of cloud-native products and microservices in both fast-paced startup and enterprise environments. Proven experience building and deploying new features and products across a diverse technology stack, leveraging Python, JavaScript, Swift, Kotlin and Go for various use cases alongside extensive use of Docker containers and Kubernetes for orchestration.

Specialist in full-stack mobile development leaning heavily on fundamental knowledge of AWS infrastructure, including persistence solutions like PostgreSQL, S3, RDS, and ElastiCache.

Extensive cross-platform development with React Native, AngularJS, and Loopback, all with Typescript to ensure reliability and a robust system. Adept at developing RESTful APIs, practicing Test-Driven Development (TDD), and embracing a continuous integration and delivery approach within an AWS ecosystem.

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## Key skills

Python, Typescript, Obj-C, Kotlin, Java, JavaScript, C++, Jenkins, Terraform, Helm Charts, Prometheus, Grafana, AWS Suite (RDS, S3, WAF, CloudWatch, CloudFront)

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## Experience

### National Australia Bank

#### Software Engineer - April 2023 – Present

Originally as part of a select graduate cohort at uBank, NAB's innovative digital bank, I've actively contributed to an interdisciplinary team of 12 engineers across Frontend, Backend, and Infrastructure rotations.

My work has focused on designing, developing, and deploying new features and products across uBank's core business functions.

#### Key Contributions & Achievements

- Led the end-to-end development of a full-stack iOS/Android bill reminders feature, successfully rolling it out to over 900,000 customers using the Ionic cross-platform framework (Angular).
- Constructed a critical auditing processor as a core component of a large-scale project to seamlessly onboard a new third-party vendor into our banking infrastructure.
- Enhanced business infrastructure reliability by implementing robust monitoring solutions and integrating CI/CD features into ubank's AWS-centric workflow.
- Developed new features for the ubank mobile application on both iOS and Android platforms, leveraging the Ionic cross-platform development framework.
- Implemented comprehensive monitoring tools that proactively alert managers and engineers to critical scenarios, including memory usage and capacity constraints, ensuring system stability.

## **Snapchat**

### **Software Engineer Intern - May 2022 – September 2022**

As one of the inaugural interns in Australia for this leading global software organization, I collaborated within a 15-engineer team at the Sydney Snapchat office.

My role involved designing and building new features and products for the iOS, Android, and Web Snapchat applications.

#### **Key Contributions & Achievements**

- Engineered and deployed call-to-action cards on calling statuses, introducing call duration and call type information to over 300 million users across all mobile platforms.
- Executed the complete end-to-end development cycle for multiple features, encompassing design, design moderation, implementation, testing, A/B testing, and successful global rollout.
- Developed and integrated new features for the Snapchat app on iOS and Android, utilizing Objective-C and Kotlin.
- Conducted deep dives into internal C++ and TypeScript shared libraries to develop robust cross-platform UI and business logic.
- Managed the stable release of projects by conducting A/B testing on a user base of 10 million active users and iteratively incorporating feedback.
- Collaborated effectively with US and global teams to ensure a consistent product vision and seamless feature integration.
- Successfully rolled out multiple full-stack features across iOS, Android, and Web platforms for the Snapchat application.

## **CodeCreate**

### **Lead Instructor and Course Designer** - June 2020 – March 2022

- Produced fun and educational classes centred around programming concepts to 20+ students at a time.
  - Taught after-school, STEM-based classes for kids providing equal opportunity to learn about digital-technologies and engineering.
  - Designed courses providing educational value in programming concepts, easily transferable across various age groups.
  - Created two beginner level programming courses delivered across 10 different schools by over 15 different teachers.
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## **Education**

Bachelor of Computer Science - University of New South Wales

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## **Societies**

### **Computer Science Society Projects**

## **/Clubs**

Involved in a software team of 6 people to help code a deployable website to over 3000 UNSW students.

### **Redback Racing Dynamics**

Involved as part of a team to research suspension system, brakes system, and aerodynamic package.

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## **References**

Available upon request