

Joshua Piper

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Work Experience

Intern Software Engineer
Atlassian, Melbourne

Nov. 2022 – Feb. 2023

- Integrated new push notifications for mobile users via a dedicated microservice which received over **100'000 events per day using Java and Spring Boot.**
- Extended **GraphQL interfaces** for the mobile platform to automate tedious user transactions resulting in over 10,000 clicks per day.
- **Led standup and retrospective meetings** while participating in on-call rotations to help promote knowledge sharing amongst engineers.

Gradute Software Engineer (Industry Based Learning)
Tyro Payments, Melbourne

Apr. 2022 – Nov. 2022

- Orchestrated an **API throttling** mechanism to provide integration parties with KPIs with SQS, SNS and Node servicing over **1,000 events daily** through a bulk processing service.
- Created an extensible **S3 file uploading system** for database reports allowing partners to saving 10'000 hours annually using AWS, MongoDB and NodeJS.
- Published clean and reusable code through utilising MVC architecture, dependency injection, functional and unit tests, and clean module boundaries.

Intern Software Developer
Fontis Pty Ltd, Melbourne

Sep. 2021 – Apr. 2022

- Liaise with clients and the CTO to **establish authorisation** for specific webpages via Auth0 and middleware allowing the creation of features **requiring additional security.**
- Launched a **Google Chrome extension to automate developer workflows** through shortcuts **causing time to lookup from minutes to seconds** via AWS EC2, Lambda, S3 and DynamoDB.
- Addressed production bugs and improvements regarding existing applications **following Agile practices** and CI/CD pipelines for rapid development.

Tutor's Assistant
Deakin University, Melbourne

Mar. 2021 – Nov. 2021

- Coordinated and guided over **1,000 struggling** students understand key coding concepts such as **lambda expressions, generics, asynchronous programming and memory types** with C++ and C#.
 - Encouraged over 100 students to visualise and decompose tasks into achievable tasks for their capstone video games with Splashkit and C++.
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Education

DEAKIN UNIVERSITY
Bachelor of Computer Science - 3.2 GPA

Mar. 2021 – Current

- Hosted and participated in various hackathons where Key Word Sign achieved top 5 contenders.
- Represented Deakin as a spokesperson in their newsletter and advertisement videos.