Joshua Piper

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Employment

Graduate Software Engineer (IBL)
Tyro Payments, Melbourne   **Apr. 2022 – Current**

- Orchestrated an API throttling mechanism to provide integration parties with KPIs with SQS, SNS and Node servicing over 1,000 events weekly.

Junior Software Developer (Intern)
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, Gateway, S3, RDS and DynamoDB.
- Addressed production bugs and improvements regarding existing applications following Agile practices and CI/CD pipelines for rapid development.
- Automated core developer workflows via webhook integrations reducing time to synchronise information by 75% via serverless webhooks using NodeJs RESTful APIs.
- Engineered core data visualisation using Chart.js and MySQL RESTful APIs to present essential business data which reduced the time to manually collect data by 50%.

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 students to visualise and decompose tasks into achievable tasks for their capstone video games with Splashkit and C++.
- Debugged and solved over 100 issues with different codebases to resolve problems with other student's applications.

Education

DEAKIN UNIVERSITY
Bachelor of Computer Science   **Mar. 2021 – Current**
- GPA: 96% WAM / 4.0