Joshua Piper

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Career Profile

Product driven backend developer with experience creating serverless progressive web applications primarily with Node.js, MongoDB and Serverless AWS.

Employment

Graduate Software Engineer
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 daily through a bulk processing service.
- Automated database reports for clients by extracting MongoDB data and presenting them in CSV format.
- Published clean and reusable code through utilising MVC architecture, dependency injection, functional and unit tests, and clean module boundaries.

Junior 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, 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 over 100 students to visualise and decompose tasks into achievable tasks for their capstone video games with Splashkit and C++.

Education

DEAKIN UNIVERSITY
Bachelor of Computer Science - 3.7 GPA   **Mar. 2021 – Current**
- President of Deakin Software Engineering Club.
- 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.

Referees

Available upon request.