

Joshua Piper

<redacted-number> • josh.piper1505@yahoo.com • <https://joshuapiper.dev>

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.