



DANIEL ALBERT

[Portfolio](#)
[Stack Overflow](#)
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Work Experience

Software Developer, Inyer Pocket Software

Jan 2023 - present

- Reduced average page load times from **25 seconds to 3 seconds** by migrating legacy CMS endpoints to paginated **AWS Lambda** endpoints
- Developed and Deployed high-volume batch payment solution which uses **Stripe** and **Playhq** integrations. This endpoint processes **\$60,000** a week on average. This solution uses **Stripe Webhooks** to process Direct debit payments.
- Developed a transaction export solution that resolved API Gateway "413 Payload Too Large" errors that uploads **MongoDb** documents to **S3** and returned a **S3** signed URL to the admin user returning the CSV data quickly
- Developed an **SQS** archiving process that reduced a collection of **9 million into 2.8 million documents**, summarising and archiving data, significantly improving query performance
- Collaborated with colleagues to establish and implement improved **Bitbucket version control** workflows, increasing team efficiency. Provided training and mentorship
- Revamped the Dulux Acratex app's home page, implementing a modern design based on Figma prototypes
- Developed a process using **Simple Queue service**, **Event Bridge** and **Event Scheduler** to send automatic game day reminders to captains that have not yet completed their game payment
- Developed a payment history feature (**React Native**, **AWS**, **MongoDB**) allowing end users to filter through both Active and past payment history and download pdf transactions via various apps. Leveraged **MongoDb** aggregate pipeline to combine, filter and paginate different collections. Developed dynamic filter component where filter variations can be adjusted through backend driven configuration
- Leveraged AI tools like Chat GPT and Gemini to improve and speed up the development process

Projects

NBA Dream team application (React, .Net and SQL Server, Auth0)

2022

- Supports multiple users a user can create, update, and delete Teams, add/remove players from a team, compare two teams and predict the winning team
- Developed API endpoints that query a **SQL Database** using **LINQ**
- Leveraged useContext and reusable components to help keep the codebase clean in **React**
- Used **GitHub** for version control to collaborate with other developers and improve code quality through **pull requests**
- Implemented **Agile** software development methodology best practices
- Developed a staging and production **Azure CI/CD pipelines** to streamline the development process
- **Material UI** was used to keep the website styling consistent throughout the application

Image Accessibility Application (Angular, Firebase)

2022

- Developed an Angular directive that allows photos to be dragged and dropped for upload
- Utilised **Fire Storage** to store the images, **generate image URLs** and used **Fire Store** (a **No-SQL database**) to link the image URL to the text
- Used reusable components to increase development efficiency
- Developed multi-user feature with the ability to sign in with Google

Full stack Invoicing application (Angular, .Net and SQL server)

2022

- This application allows the user to manage customers, create invoices and generate and download PDF invoices.
- Developed a relational database (**SQL Server**) which included **Views** and **Joins** between tables
- Implemented search, sort, and pagination operations to decrease load time through with a **.Net Entity Framework API**

Northern Hospital administration application (Angular, .Net and SQL server)

2021

- Developed an application as part of a group university assignment to assist staff at Northern Hospital to visualise survey responses from chronically ill patients about their wellbeing and symptoms
- Utilised Angular, .Net, and **SQL server** to create a fast performant application that allows staff to quickly check patient data
- Used the **Jira** to create user stories and issue cards
- Deployed API to **Amazon Linx2** deploy the **DotNet API**

Rideshare Application (R and Shiny library)

2020

- Developed the interactive **Rideshare** application using **R** and **Shiny library** that visualises an Uber driver's trips in **Melbourne** and displays profitable areas based on the day and time

Education and Certifications

- Diploma of Information Technology (Advanced Programming)
- FCC JavaScript Algorithms and Data Structures
- Harvard CS50
- Data Camp Intermediate SQL Server

Other Experience

CJM Eastern Services, Contract Bookkeeper

Feb 2018 – Oct 2022

- Supported the organisation to reconcile Cash, Cheques and Credit card payments
- Created invoice templates to enable the organisation to efficiently generate invoices
- Automated the reconciling process
- Generated reports that provided business insights