



DANIEL ALBERT

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GitHub: <https://github.com/dan933>

Portfolio: <https://www.danalbertportfolio.com.au>

Stack Overflow: <https://stackoverflow.com/users/13833050/daniel-albert>

Certificates: FCC JavaScript Algorithms and Data Structures | Harvard CS50 | Data Camp Intermediate SQL Server

Skills: Angular | React | JavaScript | GitHub | SQL Server | HTML | Sass | CSS

Jan 2023 - present

Experience

- Software Developer, **Inyer Pocket Software** 01/01/2023 - present
 - Refactored legacy code to improve performance for Sports Admin Payment Platform
 - Created and deployed aws serverless lambda functions to production
 - Created batch payment feature using lambda functions and utilising nodeJs mongodb and stripe npm package; That helped the Inyer Pocket Software's client, increase profitability and reduce stripe fee costs this feature is used by basketball organisations Australia wide.
 - Resolved and deployed bug fixes to production.
 - Created an SQS archiving process with lambda to summarise several mongodb documents into one document.
 - Integrated lambda functions to be invoked across AWS accounts.
 - Implemented a paginated lambda function that returned archived and non-archived documents using mongo dbs \$unionWith in an aggregate pipeline.
 - Improved github best practices for the organisation and assisted co-workers in learning the new flow.

Projects

- **NBA Dream team application (React, .Net and SQL Server, Auth0)** 2022
 - This application 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
 - Created API endpoints that query a SQL Database using LINQ
 - Utilised 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
 - Created 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
 - I built this app as a learning tool for a friend's child that is living with autism.
 - Created an Angular directive that allows photos to be dragged and dropped for upload
 - Utilised Fire Storage to store the images and 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

- Created 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 invoices in PDF format.
 - Created 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
- **Portfolio Website (React)** 2022
 - This website was created to showcase projects I have worked on
 - Material UI was used to keep the code clean and the style consistent throughout the site
 - Integrated Google forms into the contact form so I didn't have to pay for additional services
- **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 .Net 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

- **Diploma of Information Technology (Advanced Programming)** 01/03/2022 – 02/12/2022
Swinburne University of Technology
 - Developed and deployed two full stack applications using Azure cloud services
 - Created a CICD pipelines for the project using Azure services
 - Collaborated with other developers using azure boards
 - Created an admin dashboard for an organisation with DGI status
 - Created a full stack application using React
- **Associate Degree of Applied Technology (Cloud Computing) – part time** 01/03/2021 – 30/11/2021
Swinburne University of Technology
This course was discontinued I achieved the following:
 - Collaborated and solved problems with other developers
 - Developed and deployed two full stack applications using AWS cloud services
 - Utilised the Jira project management software to assign work

Other experience

- **CJM Eastern Services, Contract Bookkeeper** 01/02/2018 – 31/10/2022
 - 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