

# 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>

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## Projects I have worked on:

- **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 the database using LINQ
  - Utilised useContext and reusable components to help keep the codebase clean
  - Used GitHub for version control to collaborate with other developers and improve code quality through pull requests
  - Integrated Agile software development methodology
  - 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 speech synthesis to convert the text to speech
  - 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 a service
- **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 Issue tracking product to maintain and progress with the development
  - Used Amazon Linx2 and Nginx to deploy a .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

## Certificates

- |   |      |
|---|------|
| • JavaScript Algorithms and Data Structures | 2022 |
| • Harvard CS50                              | 2020 |
| • Intermediate SQL Server                   | 2019 |
| • Introduction to R                         | 2019 |

## Skills

- |                   |              |
|-------------------|--------------|
| • GitHub          | • HTML       |
| • SQL Server      | • CSS        |
| • Azure Pipelines | • JavaScript |
| • React           | • Angular    |

## 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
- In the process of creating 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 however I achieved the following:

- Developed and deployed two full stack applications using AWS cloud services
- Utilised the Jira project management software to assign work
- Collaborated with other developers

## 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