

DANIEL ALBERT

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

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

Projects I have worked on:

- **Image Accessibility Application (Angular, Firebase)** 2022
 - The application allows the user to add photos and text, and generates an audio description of the image to assist in teaching children with a disability
 - Created an upload feature for the user to add photos
 - Utilised FireStorage to store the images and generate image URLs and used FireStore (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
- **Full stack Invoicing application (Angular, .Net and SQL server)** 2022
 - This application allows the user to generate and download invoices in a PDF format.
 - The user inputs the details, price, and quantity. The application automatically calculates the total, formats the invoice in PDF form, and stores information on the database.
 - Used relational database (SQL server) and joined tables to link customers to their invoices
 - Used jspdf and jspdf-autotable to convert user inputs into automatically generated PDFs
 - Created a view in SQL server that calculates the total cost of each invoice item
 - Implemented search, sort, and pagination operations for better user experience through the API and front end
- **NBA Dream team application (React, .Net and SQL Server, Auth0)** 2022
 - This was a university group assignment to create a web application which allowed multiple users to create NBA dream teams and compare two teams to calculate a win probability
 - Used React, .Net and SQL Server to develop code for the front end and API
 - Used GitHub to collaborate with other developers and work on different features
 - Used Azure Boards as a project management tool to allocate work and collaborate
 - Integrated Agile software development processes
 - Utilised Azure CICD pipeline to streamline and automate the deployment process

- **Northern Hospital prototype administration application** 2021
(Angular, .Net and SQL server)
 - Developed a web application as part of a group university assignment to assist staff at the Northern Hospital to visualise survey responses from chronically ill patients about their wellbeing and symptoms
 - Used Angular, .Net, and SQL server to create a new patient and assign categories to the patient
 - Used the Jira Issue tracking product to maintain and progress with the development
 - Used Amazon Linux2 to deploy the website and the API for the Northern Hospital application
- **Portfolio Website (Angular)** 2021
 - Used component libraries such as Angular Materials
 - Used SCSS for aesthetic styling of the web application
 - Implemented Iframes to display the rideshare application inside the portfolio website
 - Integrated google forms into a html form
- **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
- SQL Server
- Azure Pipelines
- React
- HTML
- CSS
- JavaScript
- Angular

EDUCATION

Diploma of Information Technology (Advanced Programming)

Swinburne University of Technology

2022 – In progress

- Developed and deployed two full stack applications using Azure cloud services
- Created a CICD pipelines for the project through azure
- 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

Swinburne University of Technology

2020 – 2021

This course was discontinued however I achieved the following:

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

Diploma of Accounting

Swinburne University of Technology

2020

Certificate IV in Bookkeeping

Swinburne University of Technology

2016

Other experience

CJM Eastern Services, Contract Bookkeeper

Feb 2018 – Present

- Created new accounts for customers
- Created invoice templates to enable the organisation to efficiently generate invoices
- Automated the reconciling process
- Consult with the clients to identify their requirements such as debtors, invoicing and developed operational solutions
- Generated reports and business insights

Australian Jazz Museum, Volunteer Accounts Clerk

September 2019 – March 2020

- Generated itemised sales invoices and recorded Creditor Bills on Xero
- Provided professional development to upskilled staff to efficiently use Xero and Excel
- Developed processes and integrated PayPal payments to the finance system
- Supported the organisation to reconcile Cash, Cheques and Credit card payments

Camel Head cleaners, Manager

2016–2019

- Managed teams of staff
- Communicated with head builders and trades
- Negotiating complex issues with clients and employees