DANIEL ALBERT

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Projects I have worked on:

- **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, API, and database
  - 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

- **Portfolio Website (React)** 2022
  - Utilised the Material UI library
  - Used SCSS for styling of the web application
  - Implemented Iframes to display the rideshare application inside the portfolio website
  - Integrated google forms into a html form

- **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
  - Created multi user feature and the ability to sign in with Google

- **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

- **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 Linx2 to deploy the website and the API for the Northern Hospital application

- **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 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

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 – Oct 2022

- 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