

Dave Burt

Software Engineer & Team Player

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Australian Citizen

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SUMMARY

I am a software engineer with a background in emergency nursing. I changed careers after discovering a passion for software engineering. I previously worked as a senior nurse for the second busiest emergency department in NSW. There I worked in a close-knit team of emergency specialists who delivered high-quality care for members of the public. In this role, I oversaw numerous complex cases and on a daily basis communicated person to person with the public and Emergency Services. As such, communication and working in teams come naturally to me. I have invested in my software engineering transition by studying with General Assembly, familiarising myself multiple languages and working with other developers on team projects.

SKILLS

Languages

HTML/CSS
JavaScript
Python

Databases

PostgreSQL
MongoDB

Methodologies

OO Programing
MVC/MVT Architecture
ResponsiveDesign
Principles oftesting
User Stories
ERDs

Frameworks/Libraries

Express.js
React
Django
Node.js

PROFESSIONAL EXPERIENCE

Junior student Software Engineer

General Assembly • Jan 2024 – April 2024

- Daily huddles reporting progress to senior instructions, completing team work and pair programming exerises.
- 700 + hours of coding experience, problem solving, refractoring own and fellow devs code.
- Best practices such as MVC, naming conventions, resusability, testing & error driven development.
- Developed web forms that collect user data for storage in a database (SQL) with form validation.

Senior Registered Nurse

Mediserve Nursing Agency • 2023 – 2024

- Collaborated with multidisciplinary teams, patient and family members to design and implement patient-centered care.
- Oversaw junior team members training and skill progression.

Senior Registered Nurse

Wollongong Emergency Department • 2019 – 2023

- Enhanced documentation standards during COVID-19, leading to quicker identification of exposed staff and patients.
- Consistently achieved rank of top 10 out of 120 nurses for monthly clinical assessments.

SOFTWARE PROJECTS

Affordable Communitie Finder

[Live Demo](#) [View Code](#)

Worked as a team to develop, test and deploy a single-page React web app that looks up property sales in Sydney relative to a a user defined point of interest and sorts according to travel time and interest. Built using JavaScript, React, CSS, MongoDB and Leaflet.
APIs accessed: OpenStreetMap, TravelTime, Google Places.

Dose Master

[Live Demo](#) [View Code](#)

Single-page React app that generates realistic medication calculation questions for student nurses to practice with. Developed with consultation from UI/UX designer and nursing students for UI and functionality improvements and testing. Extensifve prompt engineering testing to OpenAi API.

Inclusive Dine

[Live Demo](#) [View Code](#)

Resturant reviews centered for wheelchair accessibility. Contains a CRUD systems using Node.js and Express.js. Implemented Google OAuth for authenticaeton-required functionality MongoDB, Custom CSS. Deployed frontend and backend with Heroku.

Blackheath Wind Meter

[View Code](#)

Working in a team with senior developers to record wind speed and direction at Blackheath NSW paraglider take off and display said data on a web app. Built with Arduino, C++, JavaScript, HTML, AWS. I've been streamlining CI/CD using GitHub Actions and currently converting to from JavaScript to TypeScript.

EDUCATION

Software Engineering Immersive

General Assembly Australia • Jan 2024– Apr 2024

Grad Certificate in Emergency Nursing

University of Tasmania • 2019–2020

Advanced Life Support

Australian College of Nursing 2017– 2018

Bachelor of Nursing

University of Wollongong 2012– 2015