

Dave Burt

Software Engineer

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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 registered nurse for the second busiest emergency department in NSW. 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 engaged with the public and Emergency Services. As such, communication and working in teams come naturally to me. I have invested in my transition by studying with General Assembly and familiarised myself multiple languages.

SKILLS

Languages

- HTML /CSS
- JavaScript
- Node.js
- Python

Databases

- PostgreSQL
- MongoDB

Frameworks/Libraries

- Express.js
- Node.js
- React
- Django

Methodologies

- Object Oriented Programming
- MVC/MVT Architecture
- Responsive Design
- Principles of testing
- User Stories
- ERDs

EXPERIENCE

Senior Registered Nurse

Mediserve Nursing Agency • 2023 – 2024

- Collaborated with multidisciplinary teams, patient and family members to design and implement care plans.
- Mentored junior team members increasing positive clinical outcomes for patients and overall staff satisfaction.

Senior Registered Nurse

Wollongong Emergency Department • 2019 – 2023

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

SOFTWARE PROJECTS

DoseMaster

[View Code](#)

[Live Demo](#)

- Generates realistic medication calculation questions for student nurses to practice with.
- React.js, Node/Express.js, OpenAI API
- Extensive prompt and user interaction testing

InclusiveDine

[View Code](#)

[Live Demo](#)

- Restaurant reviews centered for wheelchair accessibility
- CRUD systems using Node JS / Express JS
- Google OAuth for authentication-required functionality
- MongoDB, Custom CSS
- Deployed with Heroku

Space Station Locator

[View Code](#)

[Live Demo](#)

- Realtime tracking of the International Space Station
- Google-react-maps, Google Cloud Console
- Overcame 'Mixed Content' error by developing proxy server to maintain secure https connection for deployment to Heroku

Blackheath Wind Meter

[View Code](#)

- Records wind speed/direction at Blackheath NSW
- Ongoing team project, HTML, CSS JavaScript, AWS
- Using Github actions to streamline CI/CD
- Version control, rebase, branch, push, pull
- Currently converting 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