

Dave Burt

Software Developer

Self-starter | From not knowing to knowing

Sydney, NSW

0473422052

david.burt.jnr@gmail.com

[LinkedIn](#)

Professional Summary

I am a software developer with valuable professional experience as a registered nurse, transitioning careers to pursue my passion for the building blocks of the digital realm.

Previously, I worked as a registered nurse in the second busiest emergency department in NSW. I managed numerous complex cases and interacted face-to-face with patients daily, assessing their needs and working collaboratively in teams. As such, communication and collaboration are integral to who I am. I have invested in my transition by studying with General Assembly, familiarising myself with multiple languages, and collaborating with developers on group projects.

Since completing my studies, I have applied my skills in a freelance capacity, developing a website for a North Sydney bar and completing several projects that creatively address nursing and educational challenges. For example, I built a calculator to determine medication fluid rates and leveraged AI to generate medication calculation questions for student nurses to practice on.

Technical skills

Programming Languages: Javascript, Python, HTML, CSS,

Frontend Development: React, Next, Tailwind, Bootstrap

Backend Development: Node, Express, Django

Databases: MongoDB, PostgreSQL, AWS

Version control & Development: Github, Github Actions, Heroku, Vercel

Development tools and concepts: Client-side rendering, Command line, RESTful APIs, MVC Model, Object Oriented programming, Cross browser compatibility, Authentication

Debugging and Testing: Manual testing, console logging, responsive design testing, Chrome/ Firefox / React developer tools, error-handling

Education

Software Engineering Immersive | General Assembly Australia

Jan 2024– Apr 2024

Certificate of Attainment in Web Development | TAFE NSW

July 2023 - Dec 2023

Grad Certificate in Emergency Nursing | University of Tasmania

2019–2020

Advanced Life Support | Australian College of Nursing

2017- 2018

Certificate in Rural Midwifery | NSW Health

2016- 2017

Bachelor of Nursing | University of Wollongong

2012- 2015

Experience

Freelance Web Developer | Bar Quattro

October 2024 – Present

- Collaborating remotely with a fellow developer to design and build a dynamic React.js website for Bar Quattro, focusing on creating an engaging and user-friendly platform that showcases the bar's unique atmosphere and offerings.
- Emphasising best practices in software development by prioritising reusable code and maintainability to ensure a robust and scalable foundation for future enhancements, ultimately improving overall performance and efficiency.
- Currently implementing interactive features such as user-friendly forms for submitting requests, a comprehensive footer with essential information, and a downloadable PDF menu function, which aim to significantly enhance user accessibility and streamline communication with customers.

Student, Software Developer | General Assembly

Jan 2024 – April 2024

- Cultivated problem-solving skills through the creation of efficient business logic, the design of intuitive frontend UIs, and the refactoring of code for both personal and collaborative projects, ensuring optimal performance and user experience.
- Accumulated over 700 hours of coding experience, emphasizing adherence to best practices such as MVC architecture, consistent naming conventions, and reusability, while applying error-driven development techniques to enhance software reliability and maintainability.

Experience (continued)

- Gained practical experience in building validated web forms that securely collect and store user data in SQL databases, reinforcing my understanding of data integrity and security in application development.

Teacher, Acedemic Staff | University of Tasmania

July 2024 – Present

- Providing personalised academic support to nursing students, enhancing their understanding of key medical concepts and clinical skills through tailored instruction and mentorship.
- Fostering critical thinking and improving patient care by mentoring students, helping them build confidence in both theoretical knowledge and practical application in clinical settings.
- Currently assessing and marking student assignments, delivering constructive feedback to support learning and deepen comprehension of essential nursing topics, thereby promoting academic growth and development.

Registered Nurse | NSW Health Wollongong Emergency Jan 2019 – Jan 2023

- Collorbatod to improve nursing documentation standards during COVID-19 which enabled earlier Identification of exposed staff and patients.
- Spearheaded the discharge planning process for vulnerable patients, including the elderly and non-English speaking backgrounds (NESB), ensuring seamless transitions to home care by collaborating closely with the Aged Care Assessment Team and community health services.
- Facilitated the arrangement of clinical support with Hospital in the Home medical and nursing staff, managing complex cases and administering intravenous medications, which strengthened my ability to work effectively within diverse teams and deliver comprehensive solutions under pressure.

Projects

Forever | MERN stack (deployed on Vercel)

- eCommerce clothing website, users can explore products, filter and sort them, and add items to their cart by selecting product variants like size. Customers can place orders by providing a delivery address and choosing a payment method, either Cash on Delivery or Stripe which is setup for dummy payment.
- Includes CRUD functionatly to add and remove items from an order. Includes admin login and panel to edit protucts and update customer orders.
- Deployed frontend and backend on Vercel for accessible, full-stack functionality. Used CORS middleware to enable frontend and back communication.

Affordable Communitie Finder | MERN stack (deployed on Heroku without backend)

- Collaborated with a team to develop, test, and develop a a MERN application that provides property sales data in Sydney, tailored to a user-defined point of interest and sorted by travel time and preferences.
- Utilised the MERN stack and Leaflet to create a seamless and visually engaging user experience, supporting real-time data and location-based insights, allowing users to save favourite results to a dashboard only accessible when logged in.
- Integrated multiple APIs, including OpenStreetMap, TravelTime, and Google Places, to deliver accurate mapping, travel-time sorting, and property information, enhancing the app's functionality and user utility.

Dose Master | React, OpenAi API (deployed on Heruko)

- Built a single-page React application that generates realistic medication calculation questions, offering nursing students an interactive tool for practice and skill enhancement.
- Collaborated with a UI/UX designer and nursing students to refine the app's user interface and functionality, implementing feedback to improve user experience and conducting thorough usability testing.
- Conducted extensive prompt engineering and testing with the OpenAI API to ensure accurate and relevant question generation, optimizing the app's performance and user engagement.