Dave Nair

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Career Profile

Early career full-stack developer with hands on experience designing and delivering applications. Skilled at translating business requirements into robust, secure, and accessible solutions from initial prototyping and UI/UX design through testing, containerised deployment and continuous integration and delivery. Proven collaborator in agile teams, facilitating design reviews, writing clear documentation, and maintaining code quality through automated testing. Quick to adopt new tools and methodologies to drive performance and scalability.

Skills

Technical & Analytical
- HTML5, CSS3, Sass, JavaScript (ES6+), TypeScript, Python
- Django & Django REST Framework, React, Alpine.js, Tailwind CSS, Node.js (Express)
- Git/GitHub, Docker & Docker Compose, Webpack, Vite, npm, pip, GitHub Actions (CI/CD)
- PostgreSQL, SQLite, MongoDB
- Pytest, Jest, React Testing Library, Selenium, OWASP ZAP

Business, Strategy & Collaboration
- Market Evaluation, Strategic Advisory, Consulting and Product Development
- User Research and Persona Mapping
- Cross-Functional Teamwork, Stakeholder Engagement
- Agile Methodologies and Scrum Facilitation

Education

Bachelor of Information Technology | Deakin University, Burwood | March 2023- Present (Expected graduation: November 2025)

Minor: Security Management (WAM: 80)

Achievements

- Awarded 25% Merit Scholarship: Recognition of academic excellence and potential in information technology.
- Invited peer mentor for Deakin School of IT: Guiding and supporting first-year students.

Work Experience

Junior Web Developer | C4 Engineering | Melbourne | September 2024 – Present
- Took initiative to develop a dockerised Django CRUD web application with Tailwind CSS, Alpine js, HTMX and PostgreSQL, producing a functional MVP in four weeks.
- Integrated django-allauth for user registration, login, and multi-tenant account management, persisting data via SQL and interactive REPL sessions, cutting authentication setup time by 50 %.
- Managed the creation of responsive UI/UX themes and reusable components across 12 pages, standardising design and cutting frontend build time by 30 %.
- Drove team alignment by producing architecture diagrams and data-model relation maps to guide discussions and decision-making.
- Ensured OWASP ASVS Level 1 and ASD ISM compliance through threat modelling, passing automated Pytest scripts, and regular code reviews in the Django shell environments.

Internship Experience

Frontend Developer Intern | C4 Engineering | Melbourne | June 2024 – September 2024

- Initiated the prototype build of a Django-backed web app delivering messaging and user onboarding.
- Introduced SPA-style interactions within Django templates using Alpine js and HTMX, reducing full-page reloads by 40 %.
- Led the development of a Figma design system covering colours, fonts, typography, icons, and layout guidelines, cutting UI revisions by 15 %.
- Authored detailed documentation including component guidelines and diagrams using Lucid Chart.

Technical Projects

Frontend Developer - Web Development Team | Melbourne Open Data Project | Chameleon | March 2025 – June 2025

- Re-designed use-case pages with React and Tailwind to resemble high-fidelity prototypes, while improving Lighthouse accessibility score from 71 to 96.
- Directed integration of Web Speech API for a chatbot voice interface, boosting user dwell time by 22 %.
- Collaborated with clients during demos and fed feedback into a two-week sprint plan, addressing pain points and refining features.

Developer | Personal Portfolio **-** Solo Project | December 2024 – Present

- Conceptualised and built a responsive static site with HTML5, CSS Grid/Flexbox and vanilla JS featuring a Three js 3D hero section and scroll-triggered animations.
- Developed a Retro Snake mini-game on canvas with pause and difficulty options, local high-score tracking and custom audio effects.
- Added a dark-mode toggle and optimised performance to achieve top Lighthouse scores as proof of continuous improvement.

Other work experience

Sessional Academic – Technical Assistant | Deakin University | March 2025- Present

- Proactively communicated with academic staff and peers to troubleshoot live-streaming and AV setup issues, ensuring seamless hybrid lectures for 100+ students.
- Fostered clear communication between lecturers and students, swiftly addressing queries and ensuring a smooth teaching-learning experience.

Data Entry and Administration Clerk | Billson Accounting | February 2024- May 2024

- Processed over 350 financial records per month (expense reports, invoices, and receipts), applying strong time management and attention to detail, ensuring data accuracy.
- Maintained an organised filing and archiving system, sorting documents chronologically and by category to enable swift retrieval and support workflows.

Team Member | IGA | February 2023- January 2024

- Demonstrated empathy and active listening to resolve customer issues and improve satisfaction in a fast-paced environment.
- Mentored and coached four new hires on POS procedures, inventory management and customer service best practices, boosting team confidence and performance.

Certifications and Training

- NSW Government - Digital Solutions Virtual Internship | Current
- Atlassian - Jira & Confluence Fundamentals Badge | Current
- IBM – Python for Data Science and AI | Current
- freeCodeCamp – Responsive Web Design & JavaScript Algorithms and Data Structures | Current

References

Available upon request.