DARWIN CHOW
Software Developer

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EDUCATION

UNIVERSITY OF NEW SOUTH WALES   **Kensington, NSW**
Bachelor of Science (Computer Science)   **2018-2022**

TORRENS UNIVERSITY - BILLY BLUE   **Ultimo, NSW**
Diploma of Graphic Design   **2016-2017**

TECHNICAL SKILLS

- **Languages:** TypeScript/JavaScript, HTML/CSS, Python, Golang
- **Frameworks/Libraries:** ReactJS, Node, Cypress, FastAPI, Flask, Keycloak
- **Databases:** mySQL, MongoDB
- **Tools:** Git, Docker, Figma, Confluence, Jira, Adobe Suite (Illustrator, Photoshop, InDesign)
- **Cloud:** AWS S3, AWS EC2, Vault HashiCorp, K8s

PROFESSIONAL EXPERIENCE

QANTAS   **Mascot, NSW**
Intern   **06/2022 - 12/2022**
- Developed & maintained the frontend of a (web application) centralized hub hosting various other applications using React, TypeScript and Keycloak.
- Designed, wireframed and prototyped user interfaces of new applications using Figma.
- Wrote scripts in both Python & Powershell to automate long & tedious manual tasks performed by colleagues.

Software Developer   **12/2022 - 02/2024**
- Designed & developed web applications using TypeScript, React, Python, FastAPI, and mySQL. The applications will be used internally by engineers to perform duties relating to operational tasks.
- Utilized technologies such as React Query, React Redux, MUI, module federation and Cypress for frontend development. Implemented a REST API following a test-driven development cycle for the backend, ensuring they met provided business requirements.
- Designed, prototyped, and created UI icons & components from scratch using Adobe Illustrator, converting them into appropriate SVG formats for seamless integration into the frontend.
- Collaborated with aerospace engineers extensively to host design workshops & gather business requirements. Effectively communicated technical concepts to non-technical stakeholders, making sure they understood the possibilities and limitations between software development and engineering needs.
- Proficiency in version control using Git, and creating & maintaining comprehensive technical documentation using Confluence which included API specifications, user guides and clear communication of technical concepts.

DevOps Engineer   **02/2024 - 02/2025**
- Deployed and maintained internal applications on AWS, ensuring seamless access for end users.
- Led process improvements for a team lacking proper software development practices, introducing Jira for project management, enforcing proper Git workflows, and implementing structured code reviews & Agile methodologies.
- Help lead the development of a new internal project, driving architectural decisions and best practices.
- Established CI/CD pipelines to automate application deployment, improving release efficiency and reliability.
- Facilitated Scrum meetings and improved collaboration between developers, engineers, and stakeholders.

EXTRACURRICULAR & OTHER

LUCY CHIENG AGED CARE CENTER   **Hurstville, NSW**
Volunteer   **02/2017 - 12/2018**
- Managed & coordinated activities for dementia patients, organizing regular events & outings for residents demonstrating strong organizational abilities.
- Collaborated effectively with the media manager to design and publish the organization's bi-yearly newsletter, showing proficiency in media-related projects.

COLES   **Clemton Park, NSW**
Night Fill   **03/2017 - 11/2021**
- Demonstrated time management skills while working autonomously without direct supervision and under pressure.
- Managed stocking of inventory & customer service, showcasing the ability to multitask and prioritize tasks.

REFERENCES

Peter Facey
Senior Manager Fleet Development   pfacey@qantas.com.au
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Peter Ghobrial
Principal Engineer   peterghobrial@qantas.com.au
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