

Abrar Barbhuyia

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CAREER GOAL

Through the process of my studies at UTS, in conjunction with my work experience of over a year, I have gained strong fundamentals in Full-Stack Development and DevOps Engineering. I have a strong focus to deliver high-quality code and robust applications that exceed expectations. I am seeking a full-time graduate position in Software Engineering, where I can employ my skills to contribute to a fast-paced working environment. I am motivated to use my skills to provide advanced and efficient Software solutions.

EDUCATION

University of Technology, Sydney

Mar 2020 – Present

Bachelor of Software Engineering (Honors) Diploma in Professional Engineering Practice | WAM: 82.91

Involvement and Awards: UTS Peer Tutor | UTS Programming Society General Committee Member | 3rd Place in UTS AI Hackathon (2023) | **Dean's List (2022)** | **Dean's List (2023)**

EXPERIENCE

I've had a plethora of experience in Software Engineering, where I've gained technical skills around Full-Stack Development and DevOps Engineering. I bring a variety of skills around to a company's technical team. My problem-solving skills are evident in my experience, with resolving critical issues and implementing new automation to improve current systems. I have leadership and communication skills that allow me to streamline a workflow to success, and my time-management skills allow me to be able to handle complex or large projects. Overall, my skills and dedication to keep learning new approaches to things allows me to be a valuable asset in any company.

Singtel Optus

Software Engineer Intern - DevOps

Jun 2023 - Present

- Led the **migration of an enterprise Gitlab instance** through ArgoCD, resulting in enhanced system stability and simpler maintenance.
- Resolved critical authentication issues** in multiple Kubernetes-hosted services, enabling the completion of multiple high-priority projects.
- Took responsibility for the **maintenance and upkeep** of essential network applications such as Gitlab, Ansible and several internal tools to guarantee smooth operation and high availability.
- Configured a production Minio database to support a retention policy when faced with storage issues, resulting in over **600GB of space savings**.

Software Engineer Intern – Automation

Nov 2022 – Jun 2023

- Developed and maintained **automation tools** as containerised applications on a DevOps stack to improve scalability and ease management of the Core Network.
- Engineered APIs to automate the running of shell commands on Core Network Nodes to enable **alerting and improve visibility** of network health.
- Automated the truncation of system logging to reduce storage consumption on Kubernetes nodes by over **30%** when faced with critical disk issues.
- Created an automatic proxy tool to enable remote engineers' efficient access to lab elements that were previously unreachable, resulting in **increased productivity**.

Gecko.rent (Startup)

Software Engineer Intern – Full-Stack

Jul 2021 - Dec 2021

- Worked to actively solve bugs and **build new features** for a high-growth rental marketplace within a React-based framework.
- Architected back-end GraphQL queries to **enable the development** of new features in the front-end
- Integrated responsive user interfaces that **boosted mobile traffic** while liaising closely with the design team.

- Redesigned the order confirmation page and assisted in the implementation of the sending of confirmation emails to **increase customer trust**.

PROJECTS

E-Restaurant | Full-Stack Table Booking app

[GitHub Repository](#)

- Integrated tools to manage restaurant bookings, meal orders and table invoices using a **Python framework**.
- Leveraged an **SQLite database** to store information about users, bookings, and meal orders.

SKILLS

- **Languages:** Python, Java, JavaScript, Typescript, C++, C#, HTML/CSS, YAML
- **Containerisation:** Kubernetes, Docker
- **Technologies:** Node.js, Next.js, React.js, SQL, Git, APIs, MongoDB, Grafana, ArgoCD, GraphQL. Ansible, Jira, Trello, Confluence.