



Siddharth Iyer

Engineering Student

👤 Profile

- Undergraduate engineering student at Monash University with 1+ year of experience as a DevOps and Software Engineer at a UK-based startup.
- Proven ability to set up and manage production-grade clusters on Hetzner servers using Rancher and Terraform.
- Experience with managing virtual machines on Proxmox, setting up self-hosted instances of Gitlab, mail servers, and backups using Storj and Backblaze, and DNS management on Cloudflare.
- Developed PoC prototypes for authentication systems in Rust, Crystal, Typescript, and Python using GraphQL and JWT tokens to benchmark performance and security issues across different languages and frameworks.
- Built side projects including static websites with Gatsby and dynamic websites on WordPress, hardware projects using Arduino and Raspberry Pi, and a self-navigating drone utilizing the find3 framework for navigation and Tensorflow for Machine Learning.
- Experienced in the business industry and finance, with an inclination towards the startup industry.
- Shadowed previous management team to learn about day-to-day work and attend investor meets to learn more about market trends.
- Self-motivated and able to learn new technologies quickly.
- Works well in a team and is open to feedback.

📁 Employment History

Software and DevOps Engineer at Route · Volunteer, United Kingdom · Remote

July 2021 — June 2022

Role: Software & DevOps Engineer

Responsibilities:

- Managing DevOps environment in staging and production
- Writing software in TypeScript and Rust on full stack web application & software.
- Mentoring junior team members and interns
- Actively taking part in decision making process for the company

Research Trainee at European organization for Nuclear Research [CERN], Geneva

June 2018 — June 2018

Research Trainee at the CMS Collaboration under Dr. Archana Sharma

🎓 Education

Bachelor of Engineering (Honours), Monash University, Melbourne

February 2023 — Present

Major in Electrical and Computer Systems Engineering and Minor in Computer Science

Details

Melbourne

Australia

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Links

[Personal Website](#)

Skills

Programming languages:
Rust, Crystal, Typescript,
Python

Frameworks: Rancher,
Terraform, GraphQL, JWT

Tools: Hetzner, Proxmox,
Storj, Backblaze, Cloudflare

Communication: Written,
verbal, presentation

Teamwork: Collaboration,
conflict resolution, delegation

Problem-solving: Critical
thinking, analytical skills,
creativity

Leadership: Vision,
decision-making, motivation

Business acumen:
Understanding of market
trends, financial analysis

Startup experience: Proven
ability to work in a fast-paced,
collaborative environment

Self-motivated: Ability to
learn new technologies
quickly and independently

Open to feedback: Willingness
to take constructive criticism
and grow from it