



- Implemented security best practices including encryption, authentication protocols, and vulnerability scanning, achieving SOC 2 compliance for organization.
- Automated deployment processes using Terraform and Ansible, reducing configuration errors by 80% and improving infrastructure consistency.

## Engineering Intern

Aug 2022 — Mar 2023



### GitHub Codespaces

- Designed and deployed microservices architecture using Docker and Kubernetes, improving system scalability and reducing deployment time from hours to minutes.
- Collaborated with product managers to define technical requirements for new mobile application, successfully launching to 50,000 users within first month.
- Optimized database queries and indexing strategies, resulting in 70% improvement in application response time and enhanced user experience across platform.
- Spearheaded adoption of CI/CD pipeline using Jenkins and GitLab, automating build and deployment processes for 15 repositories.

## Qualifications

---

Qualification	Grade	Date	Institution
Mathematics	1st	—	University of Exeter
Machine Learning	—	09-2023	Microsoft Azure
Artificial Intelligence	1st	02-2025	OpenAI