



- Led cross-functional team of 8 engineers to deliver cloud migration project two weeks ahead of schedule, resulting in 40% reduction in infrastructure costs.
- Implemented machine learning algorithm for predictive maintenance that decreased equipment downtime by 35% and saved approximately \$200,000 annually in operational expenses.
- 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

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