

LI BINGQING, FIONA

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EDUCATION

Singapore Management University (SMU)

Aug 2021 – Dec 2024

Bachelor of Science (Information Systems), Majoring in Digitalisation & Cloud Solutions

INTERNSHIP

Production Engineer Intern

May 2024 – Aug 2024

Monetary Authority of Singapore

- Developed CI/CD pipeline to automate terraform commands and ensure efficient delivery of updates and new features.
- Developed Python shell scripts to automate various tasks, streamlining workflows and increasing productivity.
- Automated AWS infrastructure deployment using Terraform, significantly improving efficiency and reproducibility.
- Utilized AWS Security Hub and Terraform Checkov to enforce security best practices.
- Implemented comprehensive logging and monitoring solutions using AWS CloudWatch and CloudTrail to ensure system health and compliance.

Infrastructure Intern

Dec 2023 – Jan 2024

Accenture

- Create, manage, and automate infrastructure deployment using Terraform to increase efficiency and reproducibility.
- Leveraged AWS to configure and manage cloud resources, optimizing performance and cost-efficiency.
- Configure networking components like subnets and security groups to ensure seamless communication and data flow.

DevOps Intern

May 2023 – Nov 2023

Accenture

- Developed and implemented CI/CD pipelines using Azure DevOps to automate the deployment process.
- Established Azure Kubernetes clusters for build agents and application workloads.
- Implemented code analysis tools in the pipeline's codebase and address security vulnerabilities to safeguard the pipeline.
- Set up monitoring and logging using Kusto Query Language to facilitate proactive responses to incidents.
- Maintained comprehensive documentation for infrastructure configurations and troubleshooting steps.

PROJECT EXPERIENCE

All-In-One | *React.js, TailwindCSS, AzureDevOps, Github actions, MySQL, Python Flask, Docker*

- Built a skill-based role portal web application to streamline an organization's role-switching process
- Applied Scrum methodology and utilized Azure DevOps for efficient software development
- Automated unit test and integration test using Github actions

RetroBeats | *Proof of concept using AWS*

- Designed a comprehensive solution architecture diagram
- Set up the cloud environment and executed the on-premise to cloud data migration using AWS services

Petpals | *Vue.js, Vercel, Firebase*

- Built and deployed a responsive web application to connect pet owners with pet service providers
- Designed the user interface and ensured the technical feasibility of these designs

DealZ | *Figma, Maze*

- Created a prototype of an app that consolidates all the available and upcoming student deals
- Conducted interviews on participants and performed A/B testing use Maze
- Compiled results using quantitative and qualitative analysis

COMPETITIONS

SMU Ellipsis Tech Series Hackathon (Top 10 Finalist)

- Participated in a 48-hour hackathon to design a web application aimed at supporting underprivileged children in their educational journey

Tableau SMU Business Intelligence and Analytics Datathon (Best in Tableau Award)

- Created a dashboard using Tableau to analyze and do story telling on the elderly landscape in Singapore

Google Google Ignite! 2022 (Winner)

- Designed a prototype using Figma aimed to achieve the Zero Hunger sustainable goal

Amazon Web Service AWS Early Career Innovation Program

- Learned the fundamentals of cloud computing and participated in a case competition to help the given case client transform their business using AWS services