

Frances Severino

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Education

Singapore Management University

Bachelor of Science (Information Systems), Major in Digital Cloud Solutions. Merit

Aug 2019 - July 2023

HACKATHONS

- Ellipsis TicTac Code [Live coding competition] (2nd place), JPMorgan Innovation Week Global Hackathon 2021 (Champion), JPMorgan Global Hackathon 2022 (Champion)

RELEVANT COURSEWORK:

- CS461 Mobile and Pervasive Applications (Android Studio), IS442 Object Orientated Programming (Springboot), IS213 Enterprise Solution Development (Flask)

Experience

JP Morgan

SOFTWARE ENGINEER

Aug 2023 – Current

- Automated end-to-end testing with Python Behave, reducing Azure endpoint testing time by 40% improving release velocity and ensuring seamless integration.
- Enhanced cloud resiliency by researching and implementing Chaos Engineering (AWS EKS, Terraform, Gremlin)
- Led software engineer program to foster knowledge transfer and collaboration through events.

INTERNSHIP

June 2022 - Aug 2022

- Developed full-stack application for ops tax team, managing 100k+ data points and streamlining operations (ReactJS, Springboot, SQL, Cypress).

One Click Solutions

INTERNSHIP

May 2021 - June 2022

- Developed e-commerce platforms (oneclicksolutions.com.sg, oneclick3d.com) using WordPress, increasing online sales potential.
- Utilized 3D printing (Tinkercad, Cura) and robotics (Raspberry Pi, Arduino) for prototyping and developing hardware solutions.

Projects

Credit Card point system on AWS

- Worked with Ascenda to build a full stack application and deploy it on AWS.
- Built the AWS architecture using 3 logical and physical computing tiers - React, S3, Route 53, CloudFront, API Gateway, ECS, Lambda, Springboot, MYSQL, DynamoDB, Aurora

Sentiment Analysis on SafeVR

- Worked with SafeVR to run a market analysis on VR in Singapore and display the results in a dashboard deployed on AWS.
- Analysis included automatic data acquisition, sentiment mining, topic extraction, social network analysis and price trend analysis.

Fake News Analysis on Twitter

- Deployed on a big data pipeline in AWS in a batch processing format - S3, EMR, Neo4j
- 77k tweets scraped, analysed and plotted on a graph data for user analysis.

Skills & Interests

Technical: Python (Flask), Javascript (Reactjs, Vuejs, Nodejs), Java (Springboot)

Certifications: AWS Cloud Practitioner, AWS Developer, AWS Solution Architect, Terraform Associate, Azure Fundamentals, Azure Administrator Associate, Scrum Master (Scrum Alliance), Java Certified Associate

Passionate Causes: Women In Tech, Children in STEM

Tech Interest: Cloud and Software Architecture, User Data and Privacy, Micro front-ends

Interests: Cooking, Reading, Diving