JEREMIAH TOH RABINO

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EDUCATION

Singapore Management University   **Singapore**
Bachelor of Science (Computer Science)   **Aug 2022 - Jun 2026**
GPA: 3.3/4.0

EXPERIENCE

Singapore Management University   **Singapore**
Admissions Officer   **Mar 2022 - Aug 2022**
- Managed student admission processes utilising Microsoft Excel and Word for efficient data handling and documentation.
- Coordinated interviews and tests by communicating with prospective students and parents via emails and phone calls.
- Ensured customer satisfaction and facilitated smooth enrolment through critical client-servicing efforts.
- Conducted detailed analyses of social media performance data for SMU Admissions, emphasising cost-effectiveness of promotional posts across various platforms, and contributed insights to social media department.
- Oversaw registration and provided ushering support during large-scale school events.

Guidesify   **Singapore**
Freelance Web Developer   **Jun 2024 - Present**
- Designed and developed websites using WordPress on a freelance basis.

SKILLS

- Coding: Python, C/C++, Java, JavaScript, HTML/CSS, SQL
- Frameworks and Libraries: React, Next.js, Spring Boot, D3.js, Flask
- Platforms and Tools: PostgreSQL, MySQL, MongoDB, Docker, AWS, Tableau, WordPress, Kubernetes, Terraform
- Language fluency: Effectively bilingual in English and Mandarin, Basic Korean

CERTIFICATIONS

AWS Certified Solutions Architect - Associate

PROJECTS

Statistical Thinking for Data Science
- Performed data cleaning and exploratory data analysis; extracted key features from a dataset which included education that was shown to be highly correlated to sales performance and evaluated regression models based on various metrics.

Collaborative Software Development
- Developed a Spring Boot web application with a React frontend, serving as a fair and reliable event ticketing platform. MongoDB and AWS S3 were used for data storage and application was deployed on AWS EC2 with a CI/CD pipeline employing GitHub Actions and Docker images.
- Awarded the Outstanding Project Award in partnership with Singapore Management University SMU-X and UBS.

Visual Analytics for Business Intelligence
- Implemented data visualization techniques into a web application using Tableau and D3.js, presenting analyses on the relationship between viral songs on TikTok and Spotify.
- Created a Python Flask API integrated with various machine learning models to predict a song's popularity or longevity based on various song traits from the dataset.

IT Solution Architecture
- Architected CRM system for UBS as part of Singapore Management University's SMU-X program. A heavy emphasis was placed on software qualities such as security, maintainability, scalability, availability and performance.
- Developed the backend servers using Python Flask in a microservices architecture and deployed the APIs and database on AWS. Incorporated services like Load Balancer and implemented multi-AZ configurations and database replication with failovers to ensure availability.
- High throughput and low latency was ensured for a minimum of 100 concurrent UBS agents. Sub-100ms latency was achieved with the help of caching using Amazon Elasticache.

IT Solution Lifecycle Management
- Developed a job search platform application using Python Flask and Spring Boot which was deployed on AWS. A CI/CD pipeline was established leveraging GitLab's CI/CD pipelines feature. The pipeline automates static analyses, testing and deployment stages, enabling rapid development.
- Built a serverless architecture leveraging AWS Lambda to allow event-driven notifications to be sent to users automatically.
- Introduced feature flags utilising LaunchDarkly SDK to decouple deployment from releases to enable better DevOps practices.