

TEO JIA YI ZOE

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WORK EXPERIENCE

Cybersecurity Engineer Government Technology Agency JAN 2022 - JAN 2025

- Designed and developed scalable backend services as part of the Product Engineering team
- Architected and deployed a multi-cloud application across AWS and Azure to secure government systems, leveraging Python, Django REST Framework and Terraform
- Built scalable and secure RESTful APIs using Django REST Framework
- Automated infrastructure provisioning and configuration management using Terraform
- Created and fine-tuned a Large Language Model (LLM) for support incident management, reducing operational costs and enabling rapid issue resolution
- Developed a backend solution to integrate AWS Config, enabling compliance monitoring
- Enhanced operational efficiency by implementing Elasticsearch for application monitoring

Solutions Architect Amazon Web Services (AWS) APR 2021 - DEC 2021

- Designed Proof of Concepts (PoCs) leveraging AWS technologies to meet client requirements, successfully demonstrating potential solutions
- Designed and presented technical solutions through architectural diagrams and demonstration, effectively communicating complex concepts to stakeholder
- Advised end-users on AWS best practices, enhancing system reliability and scalability

Business & Technology Delivery Analyst Accenture MAR 2020 - APR 2021

- Collaborated with cross-functional teams to analyze requirements and current software system
- Designed and implemented Java-based microservices, ensuring high scalability
- Migrated legacy COBOL codebases to modular Java-based microservices, incorporating enhancements to optimize system performance and reduce inter-service dependencies
- Conducted unit testing, debugging, and code reviews to maintain code quality and identify opportunities for optimization
- Troubleshoot and resolved software defects and issues

Functional Analyst (Intern) Accenture SEP 2019 - FEB 2020

- Assisted in the design and implementation of application configuration, collaborating with senior analysts to meet project requirements
- Updated requirements based on mined data, ensuring alignment with user expectations, which reduced the need for post-deployment changes
- Conducted defect analysis using data mining to identify patterns and areas for additional testing, leading to the early detection of defects and reducing production issues
- Expanded test cases using data analysis to improve coverage and ensure robust application performance

EDUCATION

National University of Singapore FEB 2019 – FEB 2020

- Graduate Diploma in Systems Analysis

University of London AUG 2015 – JUN 2018

- Bachelor of Science (Honours) Business and Management

SKILLS & CERTIFICATION

- Python | HTML5 | CSS | JavaScript | MySQL | Node | Express | React
- AWS | Azure | Cloud Computing | CI/CD
- Microservices | Distributed Systems | Backend | English, Chinese - All professional proficiency
- AWS Certified Solutions Architect - Professional | AWS Certified Database - Specialty | AWS Certified Data Analytics - Specialty | AWS Certified Developer - Associate (DVA) | HashiCorp Certified: Terraform Associate (003)