CHANG GUAN QUAN

STUDENT OF NGEE ANN POLYTECHNIC

CONTACT

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EDUCATION

*2023 Apr - **Present***
NGEE ANN POLYTECHNIC

- Diploma in Information Technology
- Cloud Computing Specialization

2019 Jan - 2022 Dec
SERANGOON GARDEN SECONDARY SCHOOL

- O Level - Singapore Cambridge

TECHNICAL SKILLS

- Object Oriented Programming
- Python, C#, HTML, CSS & Javascript
- RESTful APIs
- Transact SQL
- Scrum Framework
- Figma, PhotoShop & Power BI
- Amazon Web Services (AWS)
- Microsoft SQL (MS SQL)
- Microsoft 365 Services

SUMMARY

I am currently pursuing a Diploma in Information Technology at Ngee Ann Polytechnic, specializing in Software Development and Cloud Computing. I am an organized and dependable candidate with strong critical thinking and problem-solving abilities. I am capable of managing multiple priorities in fast-paced environments. My proficiency encompasses web development, cloud infrastructures, and project management. As a collaborative team player, I possess excellent time management and communication skills, and I am committed to continuous learning while contributing effectively to team objectives.

PROJECTS

Spear Academy Website
April 2024 - July 2024
*Role: **Developer (Profile & Account Management)***

- Showcased expertise in Backend Development, Database Management and User Interface.
- Developed a learning platform application using **Node.js**, featuring **JSON Web Token** and a **OTP Mailing Service** to ensure robust user authentication and account protection for login and sign up services.
- Managed data storage with a local **Microsoft SQL** (**MS SQL**) relational database, ensuring efficient and structured data handling.
- Leveraged **MVC** architecture to improve code organization, maintainability, and reusability.
- Built **RESTful APIs** to facilitate seamless data exchange between the frontend and backend, supporting efficient account management.

Cloud Infrastructure Assignment (AWS)
April 2024 - July 2024
*Role: **Cloud Solution Architect***

- Followed **6 Pillars** of **AWS Well-Architected Framework** to design and implement a scalable cloud infrastructure for an organization migrating to the cloud.
- Configured **VPC** and **Network** to manage network traffic securely.
- Deployed a **RDS Database** within the VPC. Managed **DynamoDB**, ensuring secure data storage and accessibility for application needs.
- Implemented **Lambda** functions for backend tasks, including automated thumbnail generation for S3-stored media and read/write operations on DynamoDB.
- Configured **CloudWatch** for monitoring and **SNS** for alerting, enabling real-time insights and automated notifications for efficient resource management.

SOFT SKILLS

- Communication
- Team Player
- Easily Adaptable
- Time Management
- Problem-Solving
- Critical Thinking

LANGUAGES

English

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Chinese - Mandarin

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REFEREES

Ms Imm Ng

Senior Lecturer, Ngee Ann Polytechnic

✉ ng_imm@connect.np.edu.sg

Mr Suresh Kumar MOORKATH

Senior Manager (Internship), Ngee Ann Polytechnic

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CERTIFICATIONS

- **Agile Project Management**   **August 2024**
  Google

- **Foundations of Project Management**   **August 2024**
  Google

- **AWS Certified Cloud Practitioner**   **July 2024**
  Amazon Web Services (AWS)

- **Professional Scrum Master I (PSM I)**   **May 2024**
  Scrum.org

AWARDS

Director's List - Ngee Ann Polytechnic

- Excellent Academic Performance for Diploma of Information Technology Year 1, October Semester, **Academic Year 2023/2024**

WORK EXPERIENCE

- **Sushiro**   **December 2022 - April 2023**
  Kitchen Staff, Singapore

  - Prepared and maintained the quality of sushi, noodles, and fried dishes within a fast-paced sushi restaurant.

  - **Collaborated** and **effectively communicated** with a team of **10**, prioritizing orders to maintain stringent food safety standards and deliver exceptional dining experience for customers

  - Proved adept at organization and thriving under pressure in a high-demand work atmosphere.

VOLUNTEERING

Fridge Restock Community SG   **August 2023**

- Collected unsellable fruits and vegetables from wholesale fresh food vendors.

- Loaded fresh produce onto trucks and vans for delivery to local communities for distribution.

Yong En Active Hub Volunteer   **May 2023**

- Led a team of four to create instructional guides on using Google Calendar.

- Provided one-on-one support for seniors, teaching them how to use Google Calendar to manage their schedules.