

# Joseph Poon



## Bio

Cybersecurity graduate with an interest in computer science, cloud, & software development.

## Contact

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## Technical Skills

- Programming Languages (Python, Javascript, C++, Go)
- Docker
- Linux (Bash, Debian)
- DevOps Framework (Agile, Scrum)
- K8s Tools (Helm, Istio, Knative, Kubebuilder, Kserve, Kyverno, OPA)
- CI/CD Tools (Jenkins, ArgoCD)

## Soft Skills

- Highly meticulous
- Leadership skills
- Strong work ethic
- Efficient time-management
- Able to work under pressure
- Grasps new concepts swiftly

## Working Experience

### Tax Officer

IRAS | 5 mths | Feb 2023 - Jun 2023

- Aided in filing of several tax forms, including Individual Income Tax (Form B, B1, M), Partnerships (Form P) and Stamp Duty (Lease & Tenancy Agreement) for taxpayers.
- Setup of Linux systems on IoT devices & printers for queue display & printing, developed a website for printing of queue numbers.

### Software Engineering Intern

SAP | 6 mths | Mar 2022 - Aug 2022

- Developed an automated framework for gathering statistics on integration & unit tests.
- Implemented HA (High Availability) for Kubernetes components.
- Performed pipeline migration for outdated Jenkins pipelines.
- Increased SSL security for SAP AI Core service.
- Implemented a cronjob to eliminate unnecessary resource consumption of AI services.
- Upgraded Kubernetes component for internal security tool via a code rewrite.

## Education

### Diploma in Cybersecurity & Digital Forensics

Nanyang Polytechnic | Mar 2020 - Mar 2023

- GPA: 3.34
- Admitted to Director's List
- Diploma-Plus modules (Cloud Computing Foundation, Certified Ethical Hacker)

## Awards

### Director's List

Nanyang Polytechnic | AY 2022/2023

- Awarded to the top 15% of students who excel academically in the semester in a full time diploma

### Good Progress Award (GPA)

Nanyang Polytechnic | 2022

- Students within top 10% of school in terms of improvement of academic performance & good conduct.

## Competitions

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### Code Overflow

NYP | 1st Place | Sept 2022

- Sustainability-themed coding hackathon conducted by Nanyang Polytechnic School of Information Technology club

### Debug Minds Hackathon

NYP | 2nd Place | Sept 2021

- Creative coding hackathon conducted by Nanyang Polytechnic School of Information Technology club

### Accounting Innovation Challenge 2021

[Singapore Accountancy Commission](#) | Sept 2021

- Created a solution to solve the business issues faced by the accounting industry

### Capture-The-Flag Competitions

NYP | May 2020, Oct 2020, May 2021, Dec 2021, May 2022, Dec 2022

- Internal CTFs organised by NYP Cybersecurity Interest Group

## Projects

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### [Sustainability](#)

Dec 2022

- AR (Augmented Reality) enhanced web app to showcase DBS' sustainability initiative. Created for NYP x DBS AR Storytelling Sustainability competition

### [LockBox](#)

Jun 2022

- LockBox is a secure file storage & file-sharing web app with AI & Machine Learning security

## Certifications

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### Google IT Automation with Python

Google | Mar 2023

- Completion of 6 courses: Crash Course on Python, Using Python to Interact with the OS, Introduction to Git & Github, Troubleshooting & Debugging Techniques, Configuration Management & the Cloud, Automating Real-World Tasks with Python

### Alibaba Cloud Associate (ACA)

Alibaba Group | Oct 2022

- Certifies the proficient use of Alibaba Cloud Computing Products. Covers all of Alibaba Cloud's core products from computing, storage, networking to security

### Certified Ethical Hacker (CEH v11)

EC-Council | April 2021

- Demonstrates the ability to identify & mitigate security risks, via knowledge of hacker methodologies, tools, and techniques

### Cloud Core

IBM | Oct 2022

### Essentials for Istio

Solo.io | Jun 2022

### Containers & Kubernetes Essentials

IBM | Jul 2022

### Python for Data Science

IBM | Jun 2022

### Docker Essentials

IBM | Jun 2022

### Foundation for Istio

Solo.io | May 2022

### [--vouch](#)

Aug 2021

- Web app aimed at automation via data extraction & data matching for vouching in the audit industry. Created for AIC21

### [adore\\_melxdy](#)

Sept 2021

- Cloud-hosted Youtube music bot