

OKKAR MIN

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Full-time job availability: 10 December 2021 onwards.

EDUCATION

Nanyang Technological University (NTU), Singapore **Bachelor of Computer Science**

2017 – Dec 2021(Expected)

- Specialization: Cyber Security and Data Science.
- Relevant Modules: Software System Design and Architecture, Software Engineering, Cloud Computing, Applied Cryptography, Computer Security, Cyber Threat Intelligence, Forensic Science, Information Retrieval.

INTERNSHIPS

Educate Program Manager

Jun 2020 - Dec 2020

Amazon Web Services (AWS)

- Programmed in Python/JavaScript to automate manual business processes including mass sending of e-mail with attachment, chrome extension to easily shorten URLs and GUI program to directly upload files to S3Buckets.
- Improvised content and conducted cloud computing webinars/workshops to 3000+ participants across 20 events.
- Trained students across ASEAN with their AWS cloud native system designs and used AWS Well-Architected Tool.

Research and Development Software Engineer

Dec 2019 - May 2020

Agency for Science, Technology and Research (A*STAR)

- Programmed finite state machines in Python where transitions to different states are triggered by laser sensors attached to Raspberry Pi (RPi). A cluster of RPi could upload images to Google CloudStorage.
- Designed, implemented, and documented a mobile application for internal tooling.

EXPERIENCES

Backend Engineer (contract, remote work)

Sep 2021 – Nov 2021

Harness.io

- Architect and implement internal tool for sales representatives generate report/powerpoint slides in google slides using google cloud platform (GCP).
- Savings of 20k USD per year achieved by building internal tool instead of using 3rd party solutions.

Chief Instructor for Outreach Workshops

Aug 2018 - Current

School of Computer Science and Engineering, NTU

- Taught to over 2000+ participants across 3 years.
- Vetted and produced contents that teaches students about: Cloud Computing, Python, JavaScript, socketIO and HTML/CSS/JavaScript.

ACHIEVEMENTS

Solution Architect Associate (SAA-C02), AWS

Aug 2020 – Aug 2023

Champion at CPF Hackathon 2020

- Demonstrated cloud system to offer a personalized digital experience that delivers the right content to the right user at right moments in their life.

Champion at 24Hackathon NTU 2020

- Pitched demonstration to a panel of 6 NTU Professors on how we could better help recycling efforts using automated waste sorter combined with cloud technologies.

Champion at AWS BuildOn 2021 Hackathon

- Developed and pitched to a panel of 6 judges from AWS and Cognizant on how cloud technology could be used to bring local communities together. Unanimous decision to crown champion.

PROJECTS

LinkedIn Connection Analyzer ([App](#)) ([GitHub Repo](#))

Jul 2021

Python, Pandas, NumPy, Streamlit

- Dashboard with charts to quickly analyze the connections you have on LinkedIn.

Where-To-Mug ([App](#)) ([GitHub Repo](#))

Jul 2021

React, JavaScript, Python, NextJS, ChakraUI, Sentry and Vercel

- Co-developed web-app that allows NTU students to check availability of tutorial rooms.
- Wrangled data that is obtained from NTU with Python pandas to get data shape we want.

Wild-Bakes ([App](#)) ([GitHub Repo](#))

Apr 2021

React, JavaScript, NextJS, ChakraUI and Vercel

- Liaised with home-based bakery owner to spin up a responsive webpage.
- Increased sales by 30% after the site was up.
- Connected with Instagram API to show certain posts on webpage.

Crisis Management System ([Documentation](#))

May 2019

HTML, CSS, JavaScript, Python, Django

- Led a group of 10 members to develop Django based web-enabled real-time system.
- Allows government agencies to collaborate seamlessly in times of emergency.

SKILLS

Languages

- English, Burmese and Chinese (limited capacity).

Software Applications and Frameworks

- Serverless, AWS CDK, Terraform, Firebase, GitHub Actions, Express, NestJS, SocketIO, React, NextJS, ChakraUI, Tailwind.

INTERESTS

- Cloud Computing, Software Design and Architecture, Automation, Cybersecurity and Social Engineering.