Yih Seng Liew

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Profile

A competent DevOps Engineer at Acturis Limited with a First-Class Honours Computer Science with Artificial Intelligence graduate from the University of Nottingham, at the same time the Co-Founder of Printoka.com, one of the fastest growing online printing firms in Malaysia seeking a tech opportunity. Equipped with exceptional communication skills gained from experiences of being a devoted DevOps Engineer and a Co-Founder. Inspired to learn and excel in the industry, as well as thrived to contribute and collaborate with individuals as a team.

Work experience

Acturis Limited (London, United Kingdom), DevOps Engineer   **Nov 2022–Current**

Acturis Limited, founded in 2000, is the UK's leading SaaS provider platform for general insurance, serving 95,000 users across 40+ countries with an annual transaction value of over £10bn.

- Designed robust infrastructure solutions for mission-critical enterprise systems, emphasising high availability, fault tolerance, and disaster recovery.
- Implemented and managed automated deployment pipelines, ensuring seamless and efficient software releases.
- Collaborated with cross-functional teams to facilitate CI/CD processes.
- Provisioned scalable infrastructure using tools like Ansible to ensure consistency.
- Automated routine operational tasks to enhance efficiency and reduce manual intervention.
- Administered production environments for optimised system performance, availability, and scalability.

Printoka.com (Sarawak, Malaysia), Co-Founder   **Jan 2018–June 2022**

A start-up printing marketplace founded in 2018 that aims to revolutionise the printing industry in Southeast Asia. Claimed to be the first printing marketplace in the region to utilise AI powered algorithms and systems that aim to achieve the goal of lowering consumer's printing cost, standardising quality control, flexible production scheduling and most importantly, trouble -free printing.

- Actively been leading a development team providing analytical support that aligns with the company's vision.
- Strategic planning of company blueprint scrutinising on company's scalability, sustainability, efficiency and effectiveness.
- Engaged with various venture capitals and government grants authorities such as Cradle Fund, Malaysian Global Innovation & Creativity Centre, Sarawak Economic Development Corporation (SEDC) and Malaysia Digital Economy Corporation (MDEC).

Education

University of Nottingham, BSc Hons Computer Science with Artificial Intelligence (Classification: First Class)

Sept 2019 - June 2022

Grades: 74.46 (A)

Relevant modules include:

- Software Engineering Group Project, Software Maintenance, Machine Learning, Big Data, Algorithm Correctness and Efficiency, Artificial Intelligence Method, Database and Interfaces, Fundamentals of Artificial Intelligence.
- Individual Dissertation: Integrated a TensorFlow machine learning model that accommodated the task of predicting in-flight characteristics of chemical composition of Thermal Barrier Coating of aircraft turbines.

Key Skills

Tech Stack:

- I have fluency in Powershell, Python, Java, JavaScript, MATLAB, SQL, C, PHP, Haskell, PySpark, HDFS, Dart, CSS, HTML, ARM, x86 that allow myself to create robust products ranging from software to web solutions.
- I have solid experiences in AWS, GCP, Ansible, Jenkins, System Administration of Linux & Windows, Jira & Confluence, Oracle databases, Networking Protocols.

Organisation & Planning:

- Proficient in multitasking and prioritising workloads, adeptly organise and plan my daily tasks, ensuring streamlined and efficient project execution.
- My organisation and planning skills have been required throughout each of the roles I've taken on, from refining processes and collating information to strategic planning of Printoka's company blueprint.

Critical Thinking:

- My academic degree and recent professional experience demanded an elevated level of critical thinking, encompassing extensive research, data analysis, and making informed recommendations.
- These required an open mind and an ability to evaluate and synthesise large quantities of information in order to come to a logical conclusion.

Communication & Presentation:

- Adept at articulating and presenting intricate technical concepts with clarity and confidence, fostering seamless collaboration across cross-functional teams and stakeholders in my role as a DevOps Engineer.
- Throughout each of my roles, I have prided myself on my ability to connect with people of all ages and backgrounds and have demonstrated strong networking and negotiation skills.

Leadership:

- I consistently prioritise motivating and encouraging my team members, seizing every opportunity to inspire their growth and success.
- As a Co-Founder of Printoka, I assumed management responsibilities, including role allocation, progress monitoring, and conducting regular team meetings.

Expertise in Machine Learning & Big Data Technologies:

- I have taken on a dissertation to establish a machine learning solution that predicts the in-flight particle characteristics of Thermal Barrier Coating chemical compositions using TensorFlow framework based on a small dataset. The scope of this dissertation includes interpolating the dataset that enhances the performance of the machine learning model.
- I have taken on a Big Data module that facilitates the usage of current Big Data technologies, such as Apache Spark and Apache Hadoop. Skills I am equipped with by undertaking this module has familiarised me with the Hadoop Distributed File System that optimises the process of Big Data, enhancing the workflow when administering Big Data.

Personal achievements

Professional membership of the British Computer Society (BSC). Awarded the Best Project Award in the "Invent the Future Today 2018" hosted by IEEE. I also won the Best Presentation Award in Software Engineering Group Project 2021. Besides, I have gained experience in taking part in the Shopee Code League 2019 and F-Secure Cyber Security Challenge 2019.

Interests

A competitive golf player for the University of Nottingham's Men's Performance Golf Team that actively participated in the British Universities and Colleges Sports (BUCS) League. My particular interest in computing has allowed me to work on projects that range from a variety of fields that include machine learning, mobile applications, and e-commerce websites. I have a huge interest in learning new languages. Currently, I have mastered 6 languages that include absolute fluency in core languages such as English, Mandarin and Malay and several dialects such as Hakka, Hokkien and Foochow.

References

Daniel Karapetyan, Assistant Professor in University of Nottingham, email: daniel.karapetyan@nottingham.ac.uk

K R Selvaraj, Assistant Professor in University of Nottingham Malaysia Campus, email: kr.selvaraj@nottingham.edu.my