Charayaphan Nakorn Boon Han

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EXPERIENCE

Platform Engineer
International Business Machines   **March 2022 – Present, Singapore**

· End-to-End Deployment of OpenShift Clusters and Operators on AWS Cloud and Bare Metal on Red Hat Enterprise Linux.
· Infrastructure and Automation Specialist acting as support to mutiple Application and Operations Teams
· Developed automation pipelines and procedures to enable standarized GitOps management of AWS Resources across a diverse team.
· Implemented improvements to pipeline automation and tooling from Self-directed analysis developer feedback and pain points.
· Implemented and documented Security and Compliance requirements on OpenShift and Cloud Deployments.
· Hands-On and Blameless technical troubleshooting to resolve integration issues, security alerts and priority calls with various stakeholder teams.

DevOps Engineer
Open Source Robotics Corporation   **March 2021 – March 2022, Singapore**

· Spearhead the development and integration of robotics software (Robotics Middleware Framework) with diverse third-party components, such as Mobile Robots, Arm Robots, Building Infrastructure (Doors and Lifts).
· End-to-End integration work with Hardware, Software, Networking and Project Management Teams to ensure smooth delivery of client projects.
· Wrote software adapters in Python and C++ to enable control of various robots through the Robotics Middleware Framework.
· Managed Cloud infrastructure for deployment of robotics software.

Robotics Engineer
Center for Healthcare Assistive and Robotics Technology   **June 2019 – March 2021, Singapore**

· Managed a fully functional Robotics Lab to test and demonstrate robotics software (Robotics Middleware Framework).
· Configured Cisco networking infrastructure and built fully functional mobile robot prototypes with navigation capabilities.
· Technical expert to relate robotics technology for usage in the Healthcare domain.

EDUCATION

Masters of Computing
National University of Singapore · Singapore · 2024 · 4.1

Bachelors of Engineering, Artifical Intelligence and Software Engineering
University of Edinburgh · United Kingdom · 2019 · First Class Honours

CERTIFICATIONS

Red Hat Certified Engineer
Red Hat Certification · 2024

· Has the knowledge, skills, and ability required of administrators responsible for Red Hat Enterprise Linux systems.

Certified Kubernetes Administrator
Cloud Native Computing Foundation · 2024

· Has the ability to do basic installation as well as configuring and managing production-grade Kubernetes clusters.
· Understands key concepts such as Kubernetes networking, storage, security, maintenance, logging and monitoring, application lifecycle, troubleshooting, API object primitives.

AWS Certified Machine Learning
AWS Certification · 2024

· Has critical skills for implementing cloud initiatives and expertise in building, training, tuning, and deploying machine learning (ML) models on AWS.

Red Hat Certified System Administrator
Red Hat Certification · 2024

· Has the ability to perform the core system administration skills required in Red Hat Enterprise Linux environments.

AWS Certified DevOps Engineer - Professional
AWS Certifications · 2023

· Has technical expertise in provisioning, operating, and managing distributed application systems on the AWS platform. Organizations with these qualified professionals can ensure speedy delivery of secure, compliant, systems that are highly available and scalable.

SKILLS

AWS, Kubernetes, OpenShift, Containers, Ansible, Bash / Python Scripting, Cloudformation, Keycloak OIDC, Red Hat Enterprise Linux, Security and Networking, GitHub, Artifactory, Jira, Build Tools (Maven, npm, etc), Golang (Learning), Teamwork, Blameless Communication, Continuous Improvement