

Myo Nyunt Kyaw

Head of Backend Services | Solution Architect | DevOps & Automation Engineering Lead

Location: Singapore PR | Based in Singapore

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Professional Summary

Technology leader with 20+ years of experience designing, building, and operating enterprise software platforms, cloud infrastructure, ERP systems, IoT solutions, industrial automation integrations, and DevOps environments.

Experienced in leading backend engineering teams, architecting scalable cloud and on-premise systems, and delivering digital transformation initiatives across agritech, manufacturing, logistics, and enterprise sectors.

Strong hands-on expertise spanning software architecture, backend engineering, cloud platforms, DevOps automation, ERP systems, operational technology, robotics integration, and industrial automation.

Career Highlights

- 20+ years of software engineering experience
- 10+ years of technical leadership and solution architecture experience
- Led development of enterprise platforms across agritech, manufacturing, logistics, and government sectors
- Architected cloud, on-premise, and hybrid infrastructure environments
- Designed ERP, IoT, automation, and operational technology integration platforms
- AWS Certified Developer - Associate
- Singapore Permanent Resident

Core Competencies

- Solution Architecture, Microservices, Event-Driven Architecture, Distributed Systems, REST API Design, System Integration
- C#, .NET Core, ASP.NET, Python, FastAPI, Flask, Go
- AWS EC2, ECS, Lambda, S3, RDS, IAM, Linux, Nginx, Caddy
- Docker, Docker Compose, Docker Swarm, Kubernetes, GitHub Actions, Jenkins, CI/CD Pipelines
- PostgreSQL, MariaDB, SQL Server, MySQL, MongoDB, Redis, Elasticsearch, MQTT

- Industrial Automation, Robotics Integration, AMR Integration, ASRS Integration, Sensor Networks, Edge Computing, Computer Vision
- ERPNext, Frappe Framework, Manufacturing Systems, Inventory Management, Workflow Automation, Reporting Platforms

Professional Experience

Head of Backend Services | Solution Architect

Greenphyto Pte Ltd, Singapore

Apr 2021 - Present

Lead backend engineering, solution architecture, DevOps, ERP platforms, industrial automation integrations, cloud infrastructure, and digital transformation initiatives supporting one of Singapore's advanced indoor vertical farming operations.

Selected achievements:

- Farm Operation Management System: .NET Core, PostgreSQL, Redis, FastAPI, Docker, GitHub Actions
- ERP Digital Transformation: ERPNext, Frappe, MariaDB, Redis, Docker
- Industrial Automation and Robotics Integration: MQTT, FastAPI, Python, PostgreSQL, Redis
- Data and AI Platform: Python, YOLO, Airflow, PostgreSQL, S3, Metabase
- DevOps and Infrastructure: AWS, Docker, GitHub Actions, Linux

Senior Developer

Nano Equipment Pte Ltd, Singapore

Apr 2016 - Mar 2021

Led architecture and software development activities for enterprise and government digital transformation projects.

Key projects:

- PSA Incident Management System
- NUS Library Management Platform
- NHG Resident Management System
- NParks BIOME Platform
- National Heritage Board Systems

Earlier Career

- Technology Specialist, Fuji Xerox Singapore Pte Ltd, Apr 2014 - Apr 2016
- Senior Software Developer, Tan Chong.com Pte Ltd, Jul 2012 - Apr 2014
- Senior Developer / Team Lead, Info-Lab Pte Ltd, Jun 2011 - Jul 2012
- Software Engineer, Box Microsystems Pte Ltd, Jul 2010 - May 2011
- Executive Web Developer, Netrunner Systems Pte Ltd, Jul 2007 - Jun 2010
- Programmer / Senior Programmer, Forever Group Co., Ltd, Jul 2002 - Oct 2006
- Project Supervisor (Programmer), KMD Co., Ltd, Feb 2001 - Apr 2002

Education

B.Sc (Hons) Computing and Information Systems, London Metropolitan University

Certification

AWS Certified Developer - Associate

Additional Information

- Singapore Permanent Resident
- Available with 1-month notice
- Open to leadership, solution architecture, startup CTO, founding engineer, automation, robotics, and industrial digitalisation opportunities