# SHIN KAUNG PYAE SHAN

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**Nationality**: Myanmar | **Pass**: Employment Pass │ **Availability**: 1 month Notice

## CAREER OBJECTIVE

I'm a solution-driven AI engineer passionate about building intelligent systems that solve real-world problems and enhance human productivity. With a strong foundation in software engineering and hands-on experience with multi-agent, event-driven AI solutions, my goal is to create impactful tools that simplify complex workflows and make advanced technology more accessible and effective in business settings.

## EDUCATION

**National University of Singapore**                                            **Feb 2023 - Jan 2024**
Graduate Diploma in Systems Analysis

**EDINBURGH NAPIER UNIVERSITY, Computing**                          **Feb 2018 - Apr 2022**
Bachelor of Science with Distinction

## WORK EXPERIENCE

**AI Engineer**                                                                        **Sep 2024 – Present**
3echo (AI Automation Agency)                                                        Singapore

- Led planning and delivery of AI-powered automation solutions tailored to business needs, translating pain points into optimized workflows.
- Designed and implemented custom AI dashboards and automated workflows with n8n to enhance operational efficiency.
- Trained and fine-tuned AI models for domain-specific use cases, ensuring high relevance and accuracy in client deployments.
- Led client consultations to align AI integrations with business objectives, emphasizing scalable, human-centric solutions.

**Software Engineer Intern (DevTech)**                                        **Sep 2023 - Jan 2024**
SP Group                                                                            Singapore
- Initiated and led end-to-end implementation of a self-service app within the DevTech team under the infrastructure branch to tackle developers' challenges.
- Implemented app using Go native plugin, resulting in a smoother internal process that granted developers necessary permissions while maintaining security standards.

**Junior Software Developer (On Job Training)**                          **Aug 2022 - Oct 2022**
Global Wave Technology                                                              Myanmar
- Engaged in web development tasks utilizing Angular and .NET. Contributed to creation of an admin panel designed to manage administrators, users, and employees. Training offered valuable exposure to both Angular and .NET technologies.
Reason for Leaving: To study further at NUS.

## TECHNICAL SKILLS

**AI & ML**: LLMs, RAG, Prompt Engineering, AI Agents, Fine-tuning AI Models,Jupyter Notebook
**Backend**: C#, .Net, Golang, Python
**Frontend**: HTML, CSS, JavaScript, React, Bootstrap, Astro
**DevOps and Automation**: Jenkins, Kubernetes, CI/CD, Docker, Azure, AWS ECS

**Low/No-Code & Automation:** n8n (workflow automation, backend orchestration)

## PROJECTS

**Intern Project in SP Group (Dev Tech, IT&S)**
**Self-Service Slack App |** *Golang, Jenkins, Kubernetes*
- Built a self-service Slack app from scratch with a Go-based plugin system for GitHub management and Slack integration.
- Designed a plugin architecture to handle requests dynamically, streamlining developer tasks and reducing manual sysadmin work.
- Implemented CI/CD pipelines, Kubernetes manifests, and secure secret management with Vault for robust deployment.

**AI Powered Solutions**
**MLOps in Clinical Domain | Python, Flask, Java(Android), AWS EC2**
- Developed and deployed ML models for clinical use cases, including building a Flask API for serving predictions.
- Contributed to an Android app integrating the ML model and managed deployment on AWS EC2 for production use.

**Voice Agent System | VAPI, n8n, OpenAI (LLM), ElevenLabs, Twilio, Custom Dashboard**

- Designed and developed a fully functional AI Voice Agent integrating VAPI for voice infrastructure, OpenAI for natural language processing, and ElevenLabs for realistic voice cloning.
- Orchestrated backend workflows using n8n for seamless integration between the LLM, Twilio, and a custom floor plan dashboard.
- Enabled real-time conversational interactions, automated call flows, and voice cloning to handle customer queries efficiently.

**AI Document Processing System |** *Python, OpenAI, OCR*

- Built an intelligent system to automate invoice and delivery order (DO) verification for banking compliance.
- Automated scanning, data matching (names, DO numbers, payment terms), and discrepancy reporting in Excel.
- Reduced manual processing time and human error for clients handling 50–60 documents daily.
- Integrated PDF compilation for seamless bank submissions.

**Wine Sommelier AI Agent |** *OpenAI GPT-4, Vector Search, Prompt Engineering*

- Built an intelligent wine recommendation system using LLMs with vector search and advanced prompt engineering.
- Delivered accurate wine pairing suggestions by refining user queries and integrating structured database lookup for real-time matching.

## ACHIEVEMENTS
- Winner of 2020 World Robot Games Myanmar (on water robot competition)