Chung Nan, Cheng (Nickle)

Healthcare IT System Development & Planning / DevOps / AI Coding

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Education

2007 - 2009

M.S. in Information Management

National Kaohsiung University of Science and Technology (NKUST)

1998 - 2000

B.S. in Information Management

National Sun Yat-sen University

Experience

2025 - Present

Healthy Taiwan Initiative - Scope 3 Project Director

Kaohsiung Armed Forces General Hospital
Medical system design, planning, implementation, and project management

2020 - Present

IT Director

Kaohsiung Armed Forces General Hospital
Hospital IT system planning, development, operations, database planning, FHIR, SMART on FHIR

2021 - Present

NHI Claims Section Chief

Kaohsiung Armed Forces General Hospital
NHI claims management, global budget management, NHI Kaohsiung-Pingtung branch co-management

2010 - 2018

Civilian IT Engineer

Kaohsiung Armed Forces General Hospital
Medical information system operations and maintenance

2006 - 2009

Founding Board Member, Taiwan Open Source E-Commerce Association

National Kaohsiung First University of Science and Technology
Registered under MOI letter No. 0950042533, March 16, 2006

2003 - 2010

IT Specialist

Gangshan Armed Forces General Hospital

Speaking

2026

AI Has Made Coding Cheap. What's Left for Developers?

Rethinking the Value of Developers in the Age of AI

2026

SMART on FHIR × LINE Bot: Building a Privacy-First AI Architecture for Healthcare

When medical records are delivered to patients through a LINE Bot, how can developers balance international standards, privacy compliance, and development efficiency?

2026

Solo DevOps: From Code to Production

Using my personal project as a real-world case study, this talk demonstrates a complete AI-driven development and operations workflow.

2026

Speaker, Far Eastern Memorial Hospital Special Session

Vibe Coding an Official Hospital Website

2026

Corporate Internal Training Instructor

From Manual Governance to AI-Assisted Collaboration: Modernization Path for Medical Information Systems

2026

Taiwan Healthcare Quality Association Speaker

Application of Generative AI in Clinical Healthcare Workflows

2025

MOPCON Conference Speaker

Building Medical Systems with AI - Code It Your Way with Auto-Testing

2025

Ministry of National Defense Medical Affairs Bureau Internal Lecture Instructor

Building Medical Systems with AI

2025

Taiwan Healthcare Quality Association Speaker

From Structured Data to Digital Chassis

2025

Kaohsiung Veterans General Hospital Power BI Reviewer

Sharing Experience in Promoting AI and Digital Transformation

2025

HIMSS APAC 2025 Hospital Representative

Kuala Lumpur, Malaysia

2024

Speaker, Taiwan Healthcare Management Association

Assisted Hospitals Digital Transformation

2024

MOPCON Conference Speaker

GenAI on Rails

2024

RubyWorld Conference Speaker

From Ideas to Implementation streamlining military hospital operations in Taiwan

2024

Paraguay Medical Delegation IT System Presenter

Medical Information System Overview

2024

COSCUP Conference Speaker

Building a Hospital Digital Transformation Ecosystem with Rails and Docker Open Source Technologies

2024

DevOpsDays Conference Speaker

The First Mile to the Last Mile of DevOps in a Military Hospital - A Case Study of KAFGH

2023

ISQua's 39th International Conference 2023

Utilizing Tableau to Analyze Employee Resilience and Implement Patient Safety Rounds to Enhance the Effectiveness of Hospital Patient Safety Culture

2023

MOPCON Conference Speaker

Our Hospital's Digital Transformation Journey

2020

MOPCON Conference Speaker

How to Land DevOps in a Mid-Sized Hospital

Skills & Expertise

Healthcare IT

SMART on FHIR · NHI Claims · Medical IS Development · System Integration · Digital Transformation

Development

Web Development · Framework (Ruby on Rails) · Database · Data Warehouse & ETL

DevOps

DevOps Architecture · Unix / Linux · Open Source · IoT

AI / Certifications

AI Coding · AI Application Planner · Climate & Health Manager

Publications

2026

iThome 鐵人賽 - SMART on FHIR 開發之路

SMART on FHIR 開發之路

2024

iThome CIO Talk

Embracing Open-Source Development Technologies and Building Small Wins Toward a New Data Middle Platform

2023

Implementing Redmine Project Management Platform to Promote Hospital Digital Transformation

5th National Medical Academic Conference

2022

Rearchitecting the Hospital Real-Time Messaging Integration Service Based on Open-Source Technologies and DevOps

CIO Taiwan Column

2022 **Building a Minimum Viable Product with Rails 7.0 (Part 2)**
CIO Taiwan Column

2022 **Building a Minimum Viable Product with Rails 7.0 (Part 1)**
CIO Taiwan 專欄

2022 **Implementing DevOps in Hospitals (1) — DevOps and the Hospital**
CIO Taiwan

2006 **osCommerce Online Store Setup Guide, 2nd Edition**
Hsueh-Kuan Publishing, ISBN 978-986-7198-65-5

2003 **osCommerce Online Store Setup Guide**
Hsueh-Kuan Publishing, ISBN 986-7693-36-1

Systems & Projects

FHIRLineBot(Taiwan Top 50 SMART Applications)
SMART on FHIR
Application Type: Standalone Launch Patient Health Management App
Target Users: General public, patients, family members, and healthcare professionals

On-Premise Tableau BI Server Deployment
Real-time dashboards, ER dynamics

Patina Cross-Platform LDAP Management Tool
https://github.com/losehrt/patina-releases
Patina is a desktop LDAP management tool built with Rust, providing an intuitive graphical interface for managing LDAP directory services.

Kaohsiung Armed Forces General Hospital official web site
Rails 開發的醫院官方網站

KAFGH Polyhealth Chatbot
LineBot
Appointment booking, virtual NHI card, medical guidance, campus navigation, instant messaging

Personal Blog & Articles Website
This Website
Built with Ruby on Rails