

Eldridge Rexroy Edmondo Dealon (張家瑋)

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SUMMARY

Senior Backend Engineer specializing in real-time systems, IoT platforms, and WebRTC infrastructure. Experienced in designing scalable microservices using Golang, building low-latency data pipelines processing millions of events per minute, and optimizing system performance for high-availability applications. Proven track record in backend architecture, video streaming systems, and hardware integration (RFID), with strong ownership across development, infrastructure, and system reliability.

WORKING EXPERIENCE

- Octon International, Neihu, Taipei** Sep 2024 – Present
Lead Engineer of AI Application Development (AI 應用研發主任工程師)
- Led and mentored a team of 3 engineers, improving project delivery efficiency and code quality across multiple R&D initiatives
 - Designed and implemented backend systems supporting AI-driven and real-time applications across healthcare and IoT domains.
 - Architected scalable microservices and real-time data pipelines for high-frequency data processing.
 - Collaborated cross-functionally to integrate AI/analytics features into existing platform infrastructure
 - Reduced project turnaround time by 15% through automation and process optimization
- Octon International, Neihu, Taipei** Nov 2022 - Sep 2024
R&D System Software Developer
- Built scalable microservices architecture using Golang (Gin) for IoT and real-time platforms
 - Developed REST APIs and gRPC services for distributed systems
 - Engineered real-time IoT communication via WebSocket for medical devices
 - Implemented pipeline handling **millions of events/minute** with low latency
 - Managed **WebRTC Video Server infrastructure**
 - Improved backend performance by **~1000%** through data architecture redesign
 - Deployed and managed systems using Docker, Podman, Nginx, and secure networking (WireGuard, JWT, OAuth)
- PT Bagong Sejahtera Abadi - Sidoarjo, Indonesia** Oct 2022 - Present
IT Consultant and Supervisor
- Led system architecture, DevOps direction, and tech stack decisions for manufacturing systems
 - Implemented ERP and production solutions improving operational efficiency
 - Integrated **RFID-based hardware systems** for inventory tracking and production visibility
- Fusion Next Inc - Taipei, Taiwan** Feb 2021 - Aug 2021
Freelance Software Developer Project
- Developed Vue.js-based frontend for location-sharing platform with REST API integration
- Freelance and Early Experienced (Combined)** Feb 2020 - Mar 2022
Web Application Developer / Freelance Projects
- Built production management and POS systems using Laravel, PostgreSQL, and MySQL
 - Delivered custom web applications improving client operational workflows
- Yohanes Gabriel Foundation - Surabaya, Indonesia** Feb 2019 - Oct 2019
Full Stack Web Developer / Internship Project
- Developed inventory management system using Laravel and MySQL for multi-school operations

EDUCATION

National Taiwan University of Science and Technology, Taipei, Taiwan

Sep 2020 - Sep 2022

Master of Information Management

- GPA 4.10 of 4.30
- Expertise in Deep Learning, Natural Language Processing, Artificial Intelligence.
- Thesis about emotion detection from text by improving Transformer with BERT and data augmentation

University of Surabaya, Surabaya, Indonesia

Aug 2016 - Mar 2020

Bachelor of Informatics Engineering

- GPA 3.764 of 4.0
- Coordinator of Informatics Study Club and active in multiple events

TECHNICAL SKILLS

Languages

Go (Golang), Python, Javascript, Java, PHP

Backend & Architecture

Microservices Architecture, REST APIs, gRPC, Distributed Systems

Real-Time & Streaming

WebSocket, WebRTC, Video Server

Databases

PostgreSQL, MySQL, CouchDB, SQLite

DevOps & Infrastructure

Docker, Podman, Nginx, Apache, Linux (VPS), CI/CD (basic)

Security & Networking

JWT, OAuth, Firewall Configuration, WireGuard VPN

IoT & Integration

Real-time device communication, Telemedicine systems, RFID integration

Frontend

HTML, CSS, JavaScript, Vue

Tools

Git, SVN, GCP, VPS

LANGUAGES

- English (Professional Working Proficiency)
- Bahasa Indonesia (Native)
- Mandarin (Beginner)