

DENNIS KUNG

AI Systems Architect | Principal Engineer | Founder
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EXECUTIVE SUMMARY

AI Systems Architect and Principal Engineer with 20+ years of experience designing intelligent platforms spanning AI agents, distributed cloud systems, embedded devices, and large-scale operational infrastructure.

Founder of D2AI, an AI-native platform that combines embedded AI agents, operational analytics, forecasting, anomaly detection, and intelligent automation to help businesses move from dashboard monitoring to proactive operational intelligence.

Track record includes architecting platforms supporting 20,000+ connected devices, building multi-tenant AI agent infrastructure, delivering cloud-native SaaS systems, and leading technology initiatives from concept through commercial deployment.

SELECTED ACHIEVEMENTS

- Founded and architected D2AI, an AI-native platform combining intelligent agents, forecasting, anomaly detection, and operational automation.
- Designed a multi-tenant AI sales-agent platform enabling customer-specific embedded agents to be deployed directly on business websites.
- Built automated AI-agent lifecycle infrastructure including provisioning, configuration, skill management, snapshotting, profile restoration, and cloud orchestration.
- Architected operational intelligence platforms supporting more than 20,000 connected devices.
- Received the Computex Innovative Product Award.

CORE EXPERTISE

AI & Intelligent Systems: Agentic AI, AI Agent Infrastructure, Machine Learning, Operational Intelligence, Time-Series Analytics.

Cloud & Distributed Platforms: AWS, Azure, Distributed Systems, Event-Driven Architecture, Microservices, SaaS Platforms.

Embedded & Edge Systems: Embedded Linux, RTOS, BLE, LTE-M/NB-IoT, GNSS, Edge Computing.

Leadership & Product: Solution Architecture, Product Development, Startup Leadership, Cross-Functional Team Leadership.

D2AI | Founder & AI Platform Architect (Part-Time) | Jun 2025 – Present

Architect and developer of an AI-native operational intelligence platform designed for SMBs.

- Designed and implemented a multi-tenant AI-agent platform supporting customer-specific embedded sales agents deployed directly on business websites.
- Built automated OpenClaw lifecycle infrastructure including cloud provisioning, agent configuration, skill deployment, profile management, snapshotting, and recovery.

- Developed reusable agent frameworks supporting customer-specific personas, knowledge systems, operational workflows, and automated hand-off mechanisms.
- Integrated TOTEM analytics capabilities providing forecasting, anomaly detection, recurring monitoring, and AI-assisted business interpretation.
- Implemented zero-CLI onboarding architecture enabling non-technical users to deploy and manage AI agents without infrastructure expertise.

Cooltrax | Principal Engineer, Devices | Jul 2020 – Present

- Architected large-scale IoT and operational intelligence infrastructure supporting 20,000+ connected devices.
- Designed end-to-end connected systems spanning embedded sensor devices, Linux gateways, cloud services, telemetry pipelines, and enterprise integrations.
- Built scalable event-processing and data-ingestion pipelines enabling real-time telemetry collection and operational workflows.
- Delivered integrations with satellite, fleet-management, and cold-chain ecosystems across international deployments.

AloThings | Founder & Consultant | Feb 2018 – Jul 2020

- Built a cloud-native AIoT platform combining IoT devices, cloud services, event-driven workflows, and machine-learning integrations.
- Developed serverless architectures on AWS using IoT Core, Lambda, DynamoDB, Cognito, API Gateway, and MQTT.
- Created reusable development patterns enabling rapid delivery of connected-device solutions.

Hanson Technology | Engineering Lead & Founder | 2010 – 2017

- Founded and led a technology startup delivering connected consumer electronics, wearable devices, mobile applications, and embedded software platforms.
- Built and managed cross-functional engineering teams.
- Received the Computex Innovative Product Award for an innovative Bluetooth touch keyboard product.

EARLIER CAREER

CoAsia Microelectronics – Director, Mobile Solution Center (2006–2010)

Esmertec AG – Country Manager, Taiwan (2004–2006)

Quanta Computer – Product Marketing Manager (2002–2004)

Motorola – Applications Engineering Manager / Mobile Solution Engineering Manager (1997–2002)

EDUCATION

Master of Computer Science and Information Engineering – National Taiwan University

Bachelor of Computer Science and Information Engineering – National Taiwan University

PATENT & LANGUAGES

Patent: A Positioning System and Method Based on Beacon Equipments (2015)

Languages: English, Chinese, Japanese, Korean