

ERIC HUANG

AI-Native Enterprise Product Builder | APIs / Cloud | Codex

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Senior software engineer with 20+ years of hands-on experience in enterprise software, C#/.NET backend development, REST APIs, SQL-backed systems, integration work, and live-system support. Recently built MCP-connected agent workflows, repository-aware code review, API verification, and Cloudflare/OpenAI AI services. Comfortable translating ambiguous workflow needs into specifications, prototypes, backend services, and production-ready delivery with explicit security and human-review boundaries.



ENTERPRISE PLATFORM BUILDER HIGHLIGHTS

01 ENTERPRISE PLATFORM THINKING

Translate ambiguous business workflows into API-backed services, data models, integration plans, and operationally verifiable releases.

02 AI-NATIVE DEVELOPMENT

MCP, repository context, structured outputs, Codex-assisted implementation, testing, refactoring, and human approval checkpoints.

03 CLOUD AND OPERATIONS

C#/.NET services, Azure/AWS/Cloudflare, Docker, CI/CD, Linux/SSH operations, monitoring, and live-system support.

TECHNICAL PROFILE

AI-assisted product building	Codex, MCP, agentic workflows, spec-driven delivery, structured outputs, review gates, AI-assisted testing and documentation
Enterprise platforms	API design, data models, workflow automation, integrations, admin operations, traceable delivery and verification
Backend and cloud	C# / .NET, REST APIs, SQL Server, MySQL, SQLite, Azure, AWS, Cloudflare, Docker
Production delivery	IIS, Linux/SSH, Git, Azure DevOps, CI/CD, service health, log review, resource checks and live-system support

RECENT EXPERIENCE

Senior Backend / AI Engineer Dec 2025 - Present

President Technology Corp.

- Shaped enterprise AI and backend workflows from ambiguous needs through API design, implementation, verification, and operational handoff.
- Built repository-aware code-review and API-documentation agents with prompt/tool workflows, structured outputs, traceable findings, and human verification; moved the validated workflow into actual development use.
- Developed an MCP-enabled Copilot Agent Skill to connect Jira, Confluence, API contract, and repository context before generating reviewable engineering changes.
- Applied AI-assisted development to legacy PL/SQL and Pro*C API analysis and .NET migration planning with task decomposition, review gates, tests, progress visibility, and traceable evidence.
- Built and validated a Microsoft Teams Bot foundation with OpenAB Gateway integration design; contributed to an AI workplace assistant combining RAG, enterprise knowledge integration, OpenAB, and UI/Ollama.
- Operated multiple internal AI and backend services on an Advantech MIC-733AO evaluation device through Linux/SSH routines; extended Teams notification audit, Jira handoff deduplication, and issue classification.

Senior Programmer Feb 2025 - Nov 2025

Taiwan External Trade Development Council

- Delivered short-cycle POCs for an internal AI portal, media/company search, business-card OCR, HubSpot import, and content tools, then moved validated features toward operational use.
- Migrated Adobe AEM content to Azure Static Web and supported an internally maintainable cloud architecture.

Senior Backend Manager Oct 2021 - Oct 2024

MoneySQ Development Ltd., Taiwan

- Developed and maintained lending-system backend functions, database components, SSRS reports, IIS, and Azure DevOps CI/CD for a live business system.

SELECTED PLATFORM AND AI DELIVERY

ENTERPRISE PLATFORM	Built an MCP-enabled Copilot Agent Skill to connect Jira, Confluence, API contracts, and repository context before generating reviewable engineering changes; kept permissions and human approval explicit.
Repository-aware Code Review Agent	API Delivery Verification Workflow
Built a repository-aware agent workflow that turns code context into structured, reviewable findings, with human checkpoints before adoption.	Correlated 398 APIs with 235 work records to preserve source traceability across analysis, implementation planning, and verification.
Enterprise Knowledge RAG	AI Workplace Assistant / Teams / OpenAB
Implemented OCR, embeddings, citations, and separated knowledge boundaries, then moved the validated capability into a continuously usable retrieval service.	Connected RAG, enterprise knowledge integration, UI/Ollama, OpenAB, and Teams Bot components while keeping tenant permission boundaries explicit.
Advantech MIC-733AO Edge AI Services	Controlled PL/SQL and Pro*C to .NET Migration
Operated internal AI and backend services through Linux/SSH routines, including log review, storage checks, resource checks, and service-health follow-up.	Supported legacy API analysis with task decomposition, review gates, tests, progress visibility, and traceable delivery evidence.

COMPETITIONS AND AWARDS

Guardian AI Platform 2026 ChatGPT Hackathon - Top 10	AppWorks x ChatGPT Individual Competition - Top 3 (2026)
Built an elder-care AI platform integrating MQTT, Cloudflare Workers / Containers, R2, D1, OpenAI Vision, LINE Messaging API, and a web dashboard.	Completed AI product development and end-to-end system integration.

EARLIER EXPERIENCE

Backend Developer Oct 2020 - Oct 2021	Sandbox Smart Technology Co., Ltd. AWS / Docker backend services for a smart coffee-roaster application.
Analyst Programmer Jan 2019 - Oct 2020	MoneySQ Development Ltd., Taiwan SmartMe property website and app backend APIs on Azure Web App.
Programmer Aug 2013 - Dec 2018	FTV (Formosa Television Co., Ltd.) Media asset, news digitization, and contract-management systems.
Software Engineer Jul 2008 - Aug 2013	Chyun Huei Health Technologies Inc. RFID surgical tracking, infection-control, and dialysis systems.
Programmer Feb 2006 - Mar 2007	Piyes Software Construction ERP software and customer-facing websites.

EDUCATION AND LANGUAGES

Minghsin University of Science and Technology - B.S. Electrical Engineering, 2000 - 2004
Mandarin: Native | English: Intermediate | TOEIC: 745

WORKING APPROACH

Clarify the enterprise workflow, define a focused specification, build a working service or prototype quickly, validate it with traceable evidence, and move useful results into operation while keeping security and human engineering judgment explicit.
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