

JASON GIANG (GIANG HUNG TIEN)

CTO & Co-Founder | AI Systems, Distributed Systems & Spatial Computing

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EXECUTIVE SUMMARY

Visionary Chief Technology Officer, Co-Founder, and Systems Architect with 8+ years of technical leadership bridging artificial intelligence, distributed cloud infrastructure, and spatial computing. Pioneer in autonomous AI Agent orchestration, Retrieval-Augmented Generation (RAG) pipelines, and low-latency mobile edge computing. Proven track record architecting enterprise systems that reduce integration timelines by 70%, scaling products across 19+ global channels in 85+ languages, and leading multi-region engineering teams across APAC, EMEA, and North America. Active core open-source contributor to CPython, Cloudflare Workers SDK, Model Context Protocol (MCP), and DefinitelyTyped. Pursuing an M.Sc. in Computer Science at Heriot-Watt University.

CORE COMPETENCIES & TECHNICAL SKILLS

- Artificial Intelligence & Machine Learning:** Autonomous AI Agents (LangChain, LangGraph, AutoGPT), Retrieval-Augmented Generation (RAG), Multimodal AI (Voice Cloning, Computer Vision, Gesture Recognition), Model Context Protocol (MCP), Vector Databases (Pinecone, Qdrant, Chroma), Prompt Engineering, PyTorch, TensorFlow.
- Cloud Architecture & Distributed Systems:** Microservices, Event-Driven Architecture, Serverless, Cloudflare Workers & Durable Objects, AWS (Lambda, ECS, S3, CloudFront), Docker, Kubernetes, CI/CD Automation, WebSockets, RESTful & GraphQL APIs, Edge Computing, High Availability (99.9% Uptime).
- Web3 & Blockchain Engineering:** Smart Contracts (Solidity), Decentralized Finance (DeFi) Protocols, EVM Architecture, Web3 Infrastructure & SDKs, Consensus Mechanisms, Zero-Knowledge Proofs.
- Spatial Computing & Frontend:** Augmented Reality (AR Navigation), Real-Time WebRTC, React, React Native, Next.js, TypeScript, TailwindCSS, Mobile Edge Optimization.
- Programming Languages:** Python, TypeScript, JavaScript, Solidity, C/C++, Java, SQL, Shell scripting.
- Governance & Standards:** Enterprise AI Governance, GDPR/CCPA Compliance, Zero Trust Security, Agile/Scrum Engineering Leadership.
- Languages:** English (Fluent/Professional), Vietnamese (Native), Mandarin Chinese (Native-level / B.Ed.).

PROFESSIONAL EXPERIENCE

GuidenAI Inc. | San Francisco Bay Area, CA / Remote

Co-Founder & Chief Technology Officer (CTO)

Mar 2024 – Present

- Enterprise AI Agent Engine:** Architected and launched **Broxi Autopilot**, a proprietary no-code AI agent engine that reduced enterprise software integration time by 70% while handling multi-agent collaborative workflows.
- Zero-Hallucination RAG Cloud Infrastructure:** Engineered a high-throughput, RAG-enabled distributed backend capable of real-time live data fetching and synthesis across 35+ enterprise platforms with 99.9% uptime.
- Multimodal AI Livestream Commerce:** Built and scaled **Genpio**, an autonomous 24/7 AI livestream shopping platform with interactive AI avatars hosting product shows across 19+ global channels (TikTok, YouTube, Shopee), supporting real-time voice cloning and Q&A in 85+ languages.
- Multimodal AI SuperApp R&D:** Spearheaded research and development for a next-generation context-aware AI Travel Assistant integrating Voice, Text, and Gesture modalities for personalized user journeys.
- Edge-Optimized AR Navigation:** Designed mobile edge computing algorithms for Augmented Reality navigation, reducing latency by 45% and device battery consumption by 30%.
- AI Governance & Compliance:** Established organization-wide AI data privacy protocols complying with GDPR/CCPA standards, while expanding the engineering team and implementing robust automated CI/CD pipelines.

FamiChain Network | London, UK / Ho Chi Minh City, Vietnam

APAC Regional Manager

Jun 2022 – Aug 2024

- DeFi & Web3 Architecture:** Architected regional decentralized finance (DeFi) frameworks and Web3 integration strategies for enterprise financial partners across Asia-Pacific.
- Market Expansion & Revenue Growth:** Executed Go-To-Market strategies expanding the APAC regional footprint by 40% and increasing annual business revenue by 35%.
- Global Regulatory Compliance:** Navigated complex cross-border financial and blockchain regulatory landscapes to successfully secure operational clearances in 5 international markets.
- Fintech Partnerships:** Cultivated strategic partnerships and joint ventures with institutional fintech partners, increasing collaborative business opportunities by 30%.
- Operational Optimization:** Streamlined regional technical and operational workflows, cutting vendor overhead by 20% and boosting delivery efficiency by 25%.

The Hive Hostels | Dubai, UAE

Marketing & Operations Manager

Apr 2021 – Apr 2022

- **Data-Driven Growth:** Drove a 50% increase in event attendance and a 30% rise in ticket revenues by designing data-driven digital campaigns and customer acquisition funnels.
- **Corporate Sponsorships:** Fostered strategic brand and hospitality partnerships, securing a 35% year-over-year increase in sponsorship revenues.
- **Digital Transformation:** Modernized guest experience by introducing an automated digital ticketing and check-in system, reducing queue times by over 60%.

The Fitout SJC | Ho Chi Minh City, Vietnam

Head of IT & Digital Marketing

Jul 2018 – Aug 2019

- **E-Commerce Infrastructure:** Designed and launched a modern full-stack e-commerce platform, achieving a 50% increase in online transaction volume in the first year.
- **SEO & Traffic Acquisition:** Led technical SEO and performance marketing overhaul, increasing organic search traffic by 45% and securing top Page 1 Google rankings.
- **Enterprise CRM Integration:** Deployed an automated CRM system improving customer retention by 30% and upgraded IT network infrastructure for zero-downtime reliability.
- **Supply Chain Automation:** Automated internal inventory tracking and supply chain workflows, improving operational efficiency by 35%.

GasTube Network | Ho Chi Minh City, Vietnam

MCN Manager

Mar 2018 – Jan 2019

- **Creator Ecosystem Growth:** Scaled the national creator network, delivering an 80% increase in total subscriber base within 10 months.
- **Rapid Channel Launch:** Incubated and launched 7 digital content channels, each exceeding 100K subscribers within their first 60 days.
- **Monetization & Syndication:** Increased network-wide views by 65% and grew sponsorship deal value by 45% through contract negotiations and data-backed content optimization.

Yeah1 Group Corporation | Ho Chi Minh City, Vietnam

Executive Project Manager

Sep 2017 – Mar 2018

- **Global Media Campaigns:** Managed multi-million-view digital creator campaigns, generating an 80% boost in subscriber growth and 60% increase in total views.
- **Production Workflow Optimization:** Standardized content production and review pipelines, increasing team output efficiency by 45% to support high-cadence releases.

Music Nations Network | Remote

Sub-network Manager

Jan 2016 – May 2016

- Directed digital media operations to achieve 70% subscriber growth, 60% higher video views, and 50% increase in audience engagement rates.

FEATURED PRODUCTS & SYSTEMS

- **Broxi Autopilot (broxi.ai):** Creator & Lead Architect. Autonomous multi-agent orchestration engine enabling enterprise systems to connect with 35+ data sources in real time using grounded RAG workflows without hallucinations.
- **Genpio (genpio.com):** Creator & Lead Architect. 24/7 AI-driven live commerce platform deploying multilingual interactive digital avatars across 19+ global streaming platforms with voice cloning and instant conversational AI in 85+ languages.
- **GenSkills (npm: genskills):** Creator & Lead Maintainer. A comprehensive open-source AI skills library for Claude Code / AI Agents providing 43 production-ready tools with 2,200+ developer downloads.
- **AIMemo (gianghungtien/aimemo):** Creator & Lead Developer. Lightweight, high-performance persistent memory layer enabling AI agents to retain cross-session context.

OPEN-SOURCE CONTRIBUTIONS & COMMUNITY IMPACT

- **CPython (Core Python Language):** Upstream contributor to Python's reference implementation. Merged fixes for free-threaded Windows builds (#154641) and C runtime `msvcrt` output validation (#154364); authored active patches for thread-safe `contextvars.Context` iterators (#154586), `os.path` byte path handling on Windows (#154585), and Windows child process handle leak prevention (#154365).
- **Cloudflare Workers SDK:** Core contributor to Wrangler and Miniflare. Merged fixes for Miniflare HTTP HEAD error handling (#14766) and Vitest Durable Object WebSocket lifecycle handling (#14763).
- **Model Context Protocol (MCP):** Contributed upstream dependency fixes and modularization for official MCP servers (`modelcontextprotocol/servers#4539`).
- **DefinitelyTyped (TypeScript Ecosystem):** Maintained and added critical type definitions for WebCodecs, Node Media Server, and Selectize APIs (#75291 , #75290 , #75389 , #75388 , #75387).
- **Hono Web Framework:** Merged AWS Lambda API Gateway v2 authorizer and JWT type enhancements (#5142).

- **Summary:** 18 Pull Requests opened across projects with 250k+ combined stars; 8 PRs merged into upstream repositories.

RESEARCH PUBLICATIONS

ConceptGNNExplainer: *Self-Supervised Framework for Concept-Based Explanations of Graph Neural Network Predictions.*

Research manuscript on interpretable graph machine learning and concept attribution. DOI: 10.5281/zenodo.17308959

FedTime-Clust: *Scalable and Adaptive Personalized Federated Learning Framework for Non-IID Time-Series Forecasting.*

Framework addressing data heterogeneity and personalization in distributed edge time-series models. DOI: 10.5281/zenodo.17308848

EDUCATION

- **Heriot-Watt University** | Edinburgh, Scotland, UK

Master of Science (M.Sc.) in Computer Science

May 2025 – July 2027 (In Progress)

Curriculum Focus: Advanced AI, Distributed Systems, Cloud Architecture, Scalable Software Engineering.

- **University of the People** | Pasadena, California, USA

Bachelor of Science (B.Sc.) in Computer Science

Aug 2019 – Aug 2024

Curriculum Focus: Data Structures & Algorithms, Operating Systems, Computer Networks, Database Systems, Systems Design.

- **Yunnan Technology & Business University** | Kunming, Yunnan, China

Bachelor of Education (B.Ed.) in Chinese Language & Literature

Oct 2019 – June 2023

Focus: Native-level Mandarin Chinese Fluency, Linguistics, Cross-Cultural Communication.

HONORS, AWARDS & CERTIFICATIONS

Honors & Awards

- Distinguished Employee Award (2021)
- Honorary Chinese Award (2019)
- Outstanding Employee Award – HaDo Group (2018)
- Best Strategic Partnership Award (2016)

Professional Certifications

- Java Foundations Certified Junior Associate – Programming Hub (2020)
- Advanced Social Media Strategy – Programming Hub (2020)
- IT Service Desk Careers and Certifications – LinkedIn (2024)
- HR Guidelines & Compliance – LinkedIn (2024)
- LinkedIn Content & Creative Design – LinkedIn (2025)
- TESOL/TEFL Certificate – World TESOL Academy (2021)
- Google Ads Display & Fundamentals Certification – Google (2019)
- Google AdWords Video & Mobile Advertising Certification – Google (2017)