

BAO DANG

(714) 274-5212 | dtquocbao@gmail.com | Houston, Texas, 77082 | <https://www.linkedin.com/in/dtquocbao>

SUMMARY

Software Architect with 14+ years of experience designing distributed systems, enterprise integrations, and cloud-native platforms across e-commerce, healthcare, fulfillment, and logistics domains. Hands-on leader specializing in architecture governance, API integrations, DevSecOps, scalability, and high-throughput systems supporting 300K+ daily transactions and 20,000 RPS.

CORE SKILLS

- Architecture: Microservices, Event-Driven Architecture, Distributed Systems, DDD, Fault Tolerance, API Design, System Scalability
- Cloud & DevOps: AWS, Azure, Kubernetes, Docker, CI/CD, GitHub Actions, DevSecOps, Observability
- Languages: C#, .NET Core, Python, Go, Node.js, TypeScript, JavaScript
- Frameworks: ASP.NET, NestJS, Express, Angular, React, Vue.js, Blazor
- Data & Messaging: SQL Server, MongoDB, Redis, RabbitMQ, Kafka, Neo4j
- AI Automation & Transformation: Agent Agentic, RAG, LLM, Vector-based Search

PROFESSIONAL EXPERIENCE

Chief Technology Officer / Software Architect

Ethika Inc. | 11/2024 – Present

- Designed and governed architecture for a high-traffic e-commerce platform supporting \$75M+ annual revenue, hundreds of thousands of monthly orders, and millions of user sessions.
- Defined organization-wide engineering standards covering code quality, review governance, logging, observability, security, and production readiness.
- Architected integrations across Shopify, Braintree, Amazon, Walmart, TikTok Shop, ERP, and analytics platforms.
- Designed event-driven distributed systems with retry logic, idempotency, failure recovery, and orchestration supporting ~20,000 RPS.
- Led polyglot architecture using .NET Core, Node.js/NestJS, Python, and Go for scalable services and high-performance workloads.
- Reduced infrastructure and tooling costs by \$150K+ through cloud optimization, CDN tuning, and modernization initiatives.
- Led AI-assisted operational intelligence initiatives leveraging OpenAI-powered workflows, analytics pipelines, recommendation systems, and automated reporting processes to improve operational visibility and executive decision-making.

Senior Software Engineer / Technical Architect

The Dot Corp | 12/2022 – 10/2024

- Architected .NET Core distributed systems and enterprise integration platforms supporting 70K daily orders with peaks above 300K.
- Led code review governance and enforced engineering standards across security, logging, naming conventions, and CI/CD quality gates.
- Designed Azure hybrid-cloud architecture using AKS, VPN Gateway, Cloudflare Zero Trust, Application Insights, and Redis.

- Implemented resilient asynchronous processing, queueing, retry handling, and backward-compatible API integrations.
- Delivered HIPAA and HITRUST-aligned security practices using Snyk, Defender, and secure SDLC controls.

Project Manager / Technical Lead (ERP & Integration)

Gearment LLC | 01/2021 – 11/2022

- Led ERP modernization and integrations across production, logistics, and fulfillment systems handling 200K+ peak operations.
- Standardized development workflows and automation processes improving reliability, maintainability, and scalability.

Team Leader / Application Support Manager

AS White Global | 01/2014 – 12/2018

- Led modernization of multi-country e-commerce systems and integration initiatives across APAC operations.
- Defined coding standards and scalable architecture strategies delivering systems that saved clients \$3M annually.

ARCHITECTURE HIGHLIGHTS

- Designed high-throughput distributed systems supporting 300K+ daily transactions.
- Implemented DevSecOps pipelines with automated governance gates, security scanning, and release validation.
- Built scalable integration architectures using REST APIs, webhooks, messaging systems, and event-driven workflows.
- Hands-on experience with AWS, Azure, Kubernetes, observability platforms, and enterprise modernization initiatives.

EDUCATION

Master in Data Science: Statistic

Texas A&M University, Texas, US (2025-present)

Master in Business Administration

Westcliff University, California, US (2018-2020)

B.S. Software Engineering

FPT University, Ho Chi Minh City, Vietnam (2008-2012)