

Linghan Kong

Senior Software Engineer

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Summary

- **Senior Software Engineer (6+ yrs):** Expert in **Java, .NET 8, C#**, and high-concurrency cloud-native architectures.
- **AWS & K8s Expert:** Slashed annual cloud costs by **30%** and improved system availability by **60%**.
- **Performance Specialist:** Boosted API response rates by **150%** using **DDD** and **EF Core** optimization.
- **DevOps Architect:** Accelerated CI/CD delivery by **40%** via **Terraform, Helm, CircleCI, TeamCity** and **Jenkins**.
- **AI-Driven Developer:** Leveraged Claude Code to independently develop and successfully launch **LuminaryGem iOS** app on the App Store; proficient in AI tools including Claude, Gemini, OpenClaw, and OpenCode to accelerate development workflows.

Education

Wuchang Shouyi University
Software Engineering

Bachelor in Software Engineering
September 2016 - June 2020

Experience

HCL 2024-04-01 - Present
Senior Software Engineer

Orchestrating the architectural evolution and full-stack delivery of high-availability enterprise BPM systems.

- **Spearheaded AI-augmented engineering** initiatives by integrating **Claude** into the team's workflow, increasing sprint velocity by **20%**.
- Spearheaded the transformation of CI/CD pipelines using Jenkins and Bitbucket, accelerating deployment velocity by **40%**.
- Orchestrated cloud-native infrastructure using Terraform and CloudFormation, achieving a **30%** reduction in annual AWS operational expenditure.
- Architected a scalable microservices ecosystem on Kubernetes/Helm, ensuring seamless handling of high-traffic enterprise workloads.
- Mentoring cross-functional teams on .NET 8 best practices and modern React patterns to ensure code maintainability.

Iherb September 2023 - March 2024
Senior Software Engineer

Led the architectural modernization and performance refactoring of the global e-commerce refund engine.

- Revolutionized API performance by implementing a Unit of Work pattern with EF Core, delivering a **150%** increase in average response rates.
- Standardized enterprise-wide data validation by designing a domain-driven validation layer, reducing production logic errors.
- Engineered a standardized file-processing framework using AWS S3, adopted as the benchmark across **3+** cross-functional teams.
- Identified and eliminated critical production memory leaks through advanced stack dump analysis and GC tuning.

Thoughtworks

April 2021 - March 2023

Senior Software Engineer

Consulted on high-stakes digital transformations for multinational equipment auction and tax integration platforms.

- Boosted application availability by 60% through the implementation of Styra OPA and optimized HPA scaling mechanisms.
- Minimized 'Time-to-Code' by engineering one-click local K8s development environments with Helm, significantly increasing developer throughput.
- Designed a resilient distributed messaging architecture using AWS SQS and Lambda with robust Dead Letter Queue (DLQ) strategies.
- Facilitated technical workshops and mentored junior talent, fostering a culture of TDD and clean architecture.

Duoyi Network

July 2020 - March 2021

Software Development Engineer

Developed core components for high-concurrency internal OA systems and complex workflow engines.

- Developed a mission-critical salary and approval engine using .NET Core, supporting multi-role complex corporate workflows.
- Enhanced system concurrency by 30% through the strategic implementation of Redis caching layers and connection pooling.
- Defined and documented RESTful API standards, reducing integration friction between front-end and back-end teams.
- Awarded 'Outstanding Employee' (Top 5%) for exceptional technical contributions and performance efficiency.

Projects

CRM & ERP Modernization

April 2024 - Present

Full-cycle ERP rebuild using .NET 6 and DDD to manage complex internal business logic.

- Applied DDD principles to decouple complex business domains, significantly improving system maintainability.
- Automated deployment workflows via Bitbucket Pipelines, achieving zero-downtime releases on Kubernetes.

LuminaryGem

2025

- **Architected an agentic UI development pipeline** by integrating **Figma MCP** with **Claude Code**, enabling the automated generation of high-fidelity **Flutter widgets** directly from design tokens.
- **Optimized the AI context window** for mobile architectures, ensuring Claude Code maintains deep project-level awareness of Flutter state management (Provider/Bloc) and routing.
- **Streamlined the SDLC** by leveraging MCP to bridge the gap between UI/UX design and production-ready Dart code, reducing UI boilerplate development time by **40%**. * **Tech Stack:** Flutter, Dart, Claude Code, Figma MCP, GitHub Copilot.

<https://apps.apple.com/hk/app/luminarygem/id6751432834>

iHerb Refund System Refactoring

Sep 2023 - April 2024

- **Led the architectural modernization** and refactoring of a global e-commerce refund engine using .NET 6 and DDD.
- **Boosted API response rates by 150%** through implementing a Unit of Work pattern with EF Core to reduce I/O consumption.
- **Standardized file processing** by engineering a framework using AWS S3, adopted as the benchmark across 3+ cross-functional teams.
- **Eliminated critical production memory leaks** and optimized CI/CD pipelines via Bitbucket for high-traffic scenarios.

[Iherb](#)

Ritchie Bros 2.0

Mar 2022- Mar 2023

Enterprise-scale heavy machinery auction platform with real-time bidding and multinational tax modules.

- Architected core Order and Financial Settlement modules, handling millions in transaction volume.
- Optimized database performance by 70% through deep SQL query refactoring and index optimization.
- Established a Service Contract Testing framework with Pactflow to ensure microservice compatibility.

<https://www.rbauction.com/>

Xero-go Financial Automation

Apr 2021 - Mar 2022

- Architected high-throughput message processing modules for a tax automation platform using AWS Lambda and SQS.
- Integrated OCR services to automate invoice generation from photos, significantly enhancing user experience.
- Achieved 100% unit test coverage and established a generic data validation framework to ensure high system reliability.
- Refactored critical billing dashboards using AngularJS to improve frontend performance and data maintainability.

<https://www.xero.com/us/>

Transaction 3.1 Enterprise OA

Jul 2020 - Mar 2021

- Developed an enterprise-level OA system based on DDD and microservices to automate complex corporate approval workflows.
- Increased system concurrency by 30% through strategic Redis caching optimization and cluster management.
- Engineered a confidential proxy service to handle sensitive project data, ensuring robust security and data privacy.
- Awarded "Outstanding Employee" (Top 5%) for exceptional technical contributions and framework performance tuning.

Skills

☆ Cloud & DevOps

AWS (EKS, Lambda, SQS, S3, RDS), Kubernetes, Helm, Terraform, CloudFormation, Jenkins, Istio, CI/CD, Docker, Datadog, OpenTelemetry, OPA & Vault

👉 AI & Agentic Engineering:

MCP, Openclaw, Prompt Engineering, Langgraph, Claude, Gemini, OpenAI

☆ Backend & Architecture

Java, .NET 8/Core, C#, Domain-Driven Design (DDD), Microservices, EF Core, Kafka, Redis, SQL Server, Rust, Python, Distributed Systems, Event-Driven Architecture, Pactflow



☆ Frontend & Reliability

React, TypeScript, Vue.js, DataDog, OpenTelemetry, Docker, TDD, Contract Testing

Certifications

AWS Certified Solutions Architect

January 01, 2023

Amazon Web Services

Claude Code

2026-Apr-5

Anthropic

Languages

English

Fluent (CET-6, years of experience in multinational environments)

Chinese

Native

