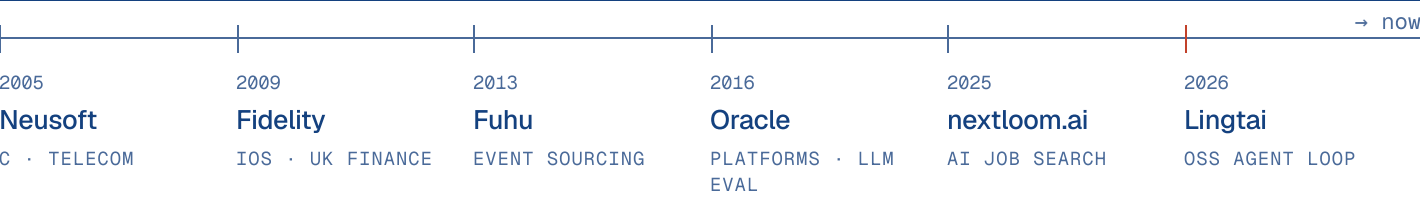


Haichao Zhang

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SUMMARY Engineering leader and PMP with 20+ years building enterprise systems. Recently built an LLM-as-judge evaluation framework at Oracle for automated quality assessment, now in production. Strong background in distributed architectures — CQRS, event sourcing, microservices, DDD — with hands-on expertise in Java, Node.js and functional programming. Has led teams of 6–10 engineers and improved developer productivity through practical tools, including a containerization platform that cut setup time from 2+ hours to 15 minutes for 800+ engineers.

EXPERIENCE	20+ years, since 2005
DEVELOPER PLATFORM	Helium — built solo; 800+ developers; setup 2+ h → 15 min
LLM EVALUATION	LLM-as-judge — built solo; phase 1 in production
SCALE	Nabi platform — 1M devices, 2M child profiles
LEADERSHIP	Teams of 6–10 engineers · PMP (2011)

EXPERIENCE	2025.10 – Present Houston area, TX nextloom.ai · Founder & Full-Stack Developer – Built and launched an AI-powered job search assistant — product, architecture, build and deployment — now live with 30+ users. – LLM workflows with LangGraph and LangChain for resume tailoring, cover letters and interview preparation, with stateful orchestration checkpointed in PostgreSQL. – Modular architecture with DDD, CQRS-style command/query separation, a Hono API layer and Effect.ts for typed functional error handling across a pnpm monorepo; deployed on Vercel. – Open-sourced the coding-agent loop behind the build as Lingtai.
	2016.06 – 2025.09 Redwood City, CA Oracle · Principal Software Engineer – Helium — conceived, designed, built and drove adoption of a Docker containerization platform with CLI as a one-person team. Supports multiple product teams and 800+ developers; cut environment setup from 2+ hours to 15 minutes. – LLM-as-judge — designed and built, as a one-person team, a platform that evaluates chatbot response quality, with feedback loops for model improvement and transparent scoring for end users. Phase 1 shipped to production, significantly increasing user trust in LLM results. – Built and supported platforms across Java, Node.js, TypeScript, Go, Python, PureScript, Kubernetes, Docker, Podman and Oracle Database.

2013.03 – 2015.09
San Jose, CA

Fuhu, Inc. · Lead Software Engineer

— Refactored the user management system with event sourcing on Cassandra, improving performance and stability and adding an event-replay audit trail for debugging production issues.

— Led a 6-person team building backend infrastructure for the Nabi tablet platform — 1M devices, 2M child profiles.

JAVA EE · CASSANDRA · KAFKA · DOCKER · REST

2009 – 2012
Dalian, China

Fidelity International · Senior Software Engineer

— Led development of Fidelity's first iOS investment application for the UK market. Promoted to Senior Software Engineer in 2010.

2005 – 2009
Dalian, China

Neusoft Corporation · Team Leader / Senior Software Engineer

— Led a 10-person team building the Partner Relationship Management platform and Service Provider Management system for China Unicom.

LINUX C · PRO*C · TCP · SOA ON JAVA

SKILLS	LANGUAGES	Java, TypeScript, Node.js, Go, Python, PureScript, C
	ARCHITECTURE	DDD, CQRS, event sourcing, microservices, SOA
	AI / LLM	LLM-as-judge evaluation, LangGraph, LangChain, coding-agent workflows
	PLATFORM	Docker, Podman, Kubernetes, Vercel, Hono
	DATA	PostgreSQL, Oracle Database, Cassandra, Kafka
	FUNCTIONAL	Effect.ts, PureScript, typed error handling
	LEADERSHIP	Teams of 6–10, PMP
EDUCATION	2012 – 2014 Fairfield, Iowa	Maharishi University of Management · M.S., Computer Science
	2008 – 2012 Dalian, China	Northeastern University · M.S., Software Engineering
	2002 – 2006 Dalian, China	Northeastern University · B.S., Computer Science
	2011	Project Management Professional (PMP) · Project Management Institute