Ha Anh Khoa

Software Engineer

AWS systems, enterprise integration & AI tooling

github.com/khoaha1904

PROFESSIONAL PROFILE

Software Engineer working across AWS data workflows, enterprise integrations and AI developer tooling, with experience in team leadership and direct client collaboration. At FPT Software, contribute to automotive retail interfaces and an AWS event-driven performance-data workflow. Use AgentBase-MCP to organize system knowledge and investigate bugs in the project's AWS event-driven system. As project AI Champion, delivered three AI sharing sessions and support other teams in practical AI use. Earlier work spans commerce, messaging and multi-tenant platforms.

EXPERIENCE

FPT Software Joined: Nov 2024

Software Engineer

Automotive Retail Platform

Software Engineer

Automotive retail project spanning reusable retail interfaces, real-user performance data collection in an AWS event-driven system and project AI Champion responsibilities.

- AWS performance-data workflow (from Jan 2025): contributed to collecting Google CrUX field measurements for automotive retail websites and supplying them to a downstream data team.
- Retail UI library: designed reusable component interfaces and interaction patterns, focusing on accessibility, consistent behavior and maintainability.
- Worked directly with international clients to clarify retail interface requirements and translate them into component behavior and integration needs.
- AI Champion: applied AgentBase-MCP as a shared knowledge base to support system understanding and bug investigation across components and event flows in the project's AWS event-driven system.
- Delivered three AI knowledge-sharing sessions for teams within the project, covering practical use of AI in development workflows.
- Provided hands-on guidance and support to other project teams on applying AI tools in their day-to-day work.

Oracle Fusion Business Application Integration

ERP Integration Consultant / Jul 2025 - Nov 2025

One integration project connecting a custom mobile/web application to Oracle Fusion, with Procurement & Finance and Absence Management modules.

- Procurement & Finance (Sep 2025 - Nov 2025): analyzed Procure-to-Pay workflows, mapped requisition lines, cost centers and approval hierarchies, and integrated requisitions, purchase orders and invoices through REST APIs.
- Absence Management (Jul 2025 - Sep 2025): assessed existing workflows and data flows, and integrated absence types, accrual balances and approval tasks through REST APIs.
- Configured approval and delegation workflows across the modules, with escalation handling for procurement.
- Built procurement, invoice and absence-tracking reports, and supported rollout through user training and operational/on-call support.

EARLIER EXPERIENCE

3M Agency

Tenure: Oct 2022 - Nov 2024

Software Engineer / Team Lead

- Coordinated delivery for a six-person e-commerce management team, clarifying sponsor requirements and reviewing frontend implementation.
- Interviewed TypeScript and Python developers, onboarded new team members and provided training.
- Implemented sales-order management and GHTK shipping integration with delivery-status tracking.
- Integrated Facebook and Instagram messaging into a shared workspace, including message tracking, response tools and collaboration features.

Zodinet Technology

Tenure: Feb 2020 - Oct 2022

Software Engineer

- Implemented order processing, customer profiles and authentication for an airline e-commerce platform.
- Built live-stream comments, product listings, sales tracking and order-management features.
- Developed Facebook modules and tenant isolation for client data and configuration in a multi-tenant social platform.

SELECTED PERSONAL PROJECTS

AgentBase-MCP

AI knowledge tooling / Personal project

MCP-based knowledge tooling for coding agents, with Git-backed documentation, source provenance and lexical retrieval; used in my AWS event-driven project to support system understanding and bug investigation.

- Implemented source-linked knowledge preparation, review and publication workflows.
- Added section-level lexical retrieval with bounded excerpts for agent context.
- Integrated the MCP server and skills with supported coding clients.
- Applied AgentBase-MCP to organize system knowledge and support debugging across components and event flows in an AWS event-driven application.

github.com/khoaha1904/AgentBase-MCP

AgentBots

Coding-agent applications / Personal project

An application integrating coding agents with Telegram and a web dashboard, including persistent sessions and shared knowledge workflows.

- Integrated native coding sessions, progress updates and user approval flows into Telegram and web interfaces.
- Implemented shared knowledge review, revision history and recovery workflows.

TECHNICAL SKILLS

AWS: Lambda, SQS, EC2, S3, SNS

AI tooling: MCP, Context engineering, RAG

Backend: TypeScript, Node.js, NestJS

Data & performance: Google CrUX, PostgreSQL, Redis

Frontend: React, Next.js

CERTIFICATIONS

AWS Certified Solutions Architect - Associate / Oracle Cloud Infrastructure Architect - Associate / Oracle Cloud Infrastructure Multicloud Architect - Professional / Oracle Database@AWS Architect - Professional

LANGUAGES

Vietnamese: Native / English: Intermediate