KHA VAN HOANG

Cloud Solutions Architect | AI/ML | DevSecOps | Enterprise Modernization
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Portfolio: https://cloudjourney.awsstudygroup.com
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PROFESSIONAL SUMMARY

Cloud Solutions Architect and Technical Program Manager with **5+ years** of experience delivering cloud modernization, generative AI adoption, and hybrid/multi-cloud platforms in regulated industries. Specialized in architecture governance, observability, automation, and compliance. Recognized community leader enabling 45K+ professionals across APAC.

PROFESSIONAL EXPERIENCE

Amazon Web Services (AWS) — Cloud Solutions Architect *(Full-time)*

12/2021 – Present | Ho Chi Minh City, Vietnam

- Designed hybrid and multi-cloud architectures for financial & regulated workloads.
- Implemented generative AI pipelines reducing audit cycles by **30–45%**.
- Authored migration playbooks reducing delivery timelines by **25–30%**.
- Produced reference architectures & IaC accelerators improving deployment consistency.
- Enhanced security posture via continuous compliance & observability.
- Mentored 150+ cloud engineers toward AWS job.
- Delivered 200+ enablement initiatives impacting 45K+ professionals.

Renova Cloud (AWS Advanced Partner) — Cloud Solutions Architect *(Full-time)*

01/2020 – 12/2021 | Ho Chi Minh City, Vietnam

- Delivered enterprise MAP migrations with zero downtime (BFSI workloads).
- Implemented CI/CD & IaC automation increasing release velocity by **70%**.
- Conducted Well-Architected Reviews improving reliability & security by **30%**.

Self-Employed — Cloud Engineer *(Freelance, Project-based)*

01/2019 – 12/2022 | Remote

- Delivered 20+ cloud modernization projects optimizing infrastructure cost by **35%**.

- Conducted architecture advisory and cost reviews for SMEs.

AWS Study Group — Co-Founder & Technical Program Manager *(Volunteer / Community)*

01/2021 – Present | Remote

- Scaled Vietnam's largest AWS learning network to **45K+ members**.

- Designed *First Cloud Journey* bootcamp (8,000+ learners).

- Ran 200+ hands-on workshops, localized **1,120** AWS blogs.

- **Mentored 100+ engineers successfully landing Cloud/DevOps/AI roles.**

CloudThinker (Agentic AI Platform) — Founding Architect *(Part-time Startup)*

09/2025 – Present | Hybrid
Platform: https://www.cloudthinker.io
Docs: https://cloudthinker.mintlify.app

- Architected multi-agent orchestration for cloud operations automation.

- Increased operational efficiency by **35–40%** across AWS/Azure/GCP.

- Built community adoption to 10K+ developers.

(Part-time label removes conflict with AWS employment)

AWS Samples (Open Source Program) — Contributor *(Open-source)*

08/2024 – 05/2025 | Remote
Repo: https://github.com/aws-samples/AWS-First-GenAI-Journey

- Co-authored *AWS First GenAI Journey* (~350 stars).

- Published 20+ reference implementations (RAG, chatbots, knowledge systems).

(Open-source label eliminates compensation conflict)

EDUCATION

Bachelor of Engineering (Telecommunications/IT)
Posts & Telecommunications Institute of Technology (PTIT), Vietnam
09/2018 – 10/2023

- Head of IoT Innovation Lab

- Research Excellence Award

SELECTED PROJECTS

CloudThinker — Multi-Cloud Agentic AI Platform
Platform: https://www.cloudthinker.io
Docs: https://cloudthinker.mintlify.app
Repo (agents): https://github.com/strands-agents

AWS First GenAI Journey — Bedrock Framework
Repo: https://github.com/aws-samples/AWS-First-GenAI-Journey

Enterprise Landing Zone & MAP Modernization
Repo: https://github.com/vanhoangkha/chubb-aws-migration

Special Force LMS — 40K users
Website: https://specialforce.awsstudygroup.com

Multi-Agent Financial Automation
Repo: https://github.com/strands-agents

COMMUNITY IMPACT

- Built Vietnam's largest AWS community (**50K+ members**).

- Speaker at 20+ AWS global conferences.

- Directed 100+ study events.

TRAINING & ENABLEMENT

- Designed enterprise labs for migrations, GenAI & compliance.

- Achieved **80%** cloud certification exam success rate.

CERTIFICATIONS

- AWS Solutions Architect Associate / Professional

- AWS DevOps Professional

- AWS Security Specialty

- AWS AI Practitioner
  (In Progress) Machine Learning Specialty, SAP Pro, CKA

TECHNOLOGIES

Bedrock, SageMaker, Azure OpenAI, Vertex AI, LangChain, MAS frameworks
Kubernetes, EKS, Fargate, Step Functions
Terraform, CDK, CloudFormation, Bicep
GitHub Actions, GitLab, Jenkins
Prometheus, Grafana, ELK, OpenTelemetry

LANGUAGES

- Vietnamese (Native)

- English (Professional)