

Akshay Chandra Shetty

AI ARCHITECT · AI SYSTEMS ENGINEER

Designs and ships self-hosted, autonomous AI systems end to end — and leads the people and programs that deliver them.

10+ yrs

AI · SOFTWARE · DEVOPS

\$2M

PLATFORM LED TO DELIVERY

\$60M

RENEWALS SUPPORTED

◆ CONTACT

LOCATION

Tallinn, Estonia

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◆ CORE STACK

AI & AGENTS

Agent orchestration MCP servers

LLM routing RAG Vector search

Knowledge graphs

On-device inference

ENGINEERING

Python Swift TypeScript

Postgres / pgvector Docker CI/CD

Cloudflare Linux REST / OAuth

◆ LEADERSHIP

- > Cross-functional team leadership
- > Project & delivery management
- > People management & mentoring
- > Stakeholder communication
- > Agile / Scrum · risk management

◆ EDUCATION

B.E. Information Science & Engineering

M S Ramaiah Institute of Technology,
India

2014 · GPA 8.86 / 10

◆ LANGUAGES

English Hindi German · B1

Kannada

◆ PROFILE

AI architect and systems engineer who designs and ships self-hosted, autonomous AI infrastructure end to end — agent orchestration, local-first model routing, retrieval and memory, and production deploy-with-rollback. A decade across software engineering, DevOps, and large-scale delivery, leading cross-functional teams on multi-million-dollar programs.

Deterministic code where it belongs; models where they earn their place.

◆ SELECTED AI & SYSTEMS WORK

Independent / Founder — Virohanalife OÜ · 2023–Present

- Designed and operate a self-hosted, autonomous multi-agent platform that plans, builds, tests, and ships software with automatic rollback — engineered to run at near-zero runtime cost.
- Built production, OAuth-secured MCP (Model Context Protocol) servers that expose curated tools to AI clients with scoped, auditable access.
- Architected a local-first model-routing layer (deterministic logic → local model → frontier) so the large majority of work never touches a paid API.
- Engineered a vector-indexed memory substrate (Postgres + HNSW) giving agents durable cross-session recall, backed by a live knowledge graph.
- Shipped a native iOS app with on-device inference, voice, and sync; automated deterministic tax/compliance reconstruction against signed government APIs.

◆ EXPERIENCE

Software Engineer · Swedbank

Oct 2021 – Present · Tallinn

- Build and configure enterprise data-quality and business-rules systems within a large regulated platform, partnering across functions to define and ship features.
- Introduce automation and AI-assisted tooling to streamline configuration and testing; document specifications and test methods for reuse.
- Deliver test-driven front- and back-end solutions aligned to roadmap and release milestones.

DevOps Engineer · 3NRG

Mar 2019 – Sep 2021 · Dresden

- Led a 3-person team delivering a \$2M large-scale quality-management system for the energy sector.
- Built CI/CD on Python (MVC), Git, Docker, and Jenkins; automated build and deployment to accelerate the development cycle.
- Maintained custom modules on open-source ERP and communicated progress and risk clearly to product and stakeholders.

Software Developer · Kohinoor Computer Services

Sep 2016 – Sep 2018 · India

- Scoped, designed, and estimated development initiatives; surfaced risks and dependencies early to keep delivery on track.

Network Consulting Engineer · Cisco Systems

Jul 2014 – Jul 2016 · India

- Owned acceptance testing and design for Reliance Jio's 4G rollout; coordinated cross-functional teams over 18 months, supporting \$60M in contract renewals.