

Akshay Nazare

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PROFILE SUMMARY

Software Engineer specializing in AI systems, developer tooling, and full-stack development, with production experience in LLM automation and real-time systems. Open-source contributor with 13 merged PRs across Ceph and Sugar Labs, focused on shipping end-to-end products.

EDUCATION

Vishwakarma Institute of Technology, Pune

B.Tech in Computer Science & Engineering (Artificial Intelligence & Machine Learning)

GPA: 9.21

Aug. 2025 – Present

Government Polytechnic, Pune

Diploma in Computer Engineering

Score: 93.80%

Aug. 2022 – May 2025

EXPERIENCE

Technical Architect & Software Engineer (Intern)

Aumiklabs

Jul 2026 – Present

United States, Remote

- Built the real-time sync layer on Rocicorp Zero (schema generation, mutations, queries), then hardened mutation grants in a security pass
- Modeled the Drizzle/Postgres data layer (college, batch, alum, roles, privacy) with migration isolation
- Reworked auth from password login to email-OTP with a persona switcher; added S3 object storage
- Shipped the marketing funnel — landing, onboarding, sponsor and college sign-up pages

Software Engineer

effiti

Jan 2026 – Jun 2026

Pune, Remote

- Re-engineered a legacy ERP into a double-entry, Odoo-style accounting system by reverse-engineering the existing workflows
- Built an AI-powered custom Linux distribution with an intelligent terminal via CUBIC
- Developed GetItDone, an AI HR platform covering onboarding through daily check-in calls, with cross-team KPI dashboards and a voice agent

OPEN SOURCE

Ceph | *Distributed storage, C++*

7 merged PRs

- Traced RGW notification stalls to a hardcoded ownership window; made it tunable via `rgw_topic_ownership_update_period`, cutting failover from ~90s to 13s ([#70956](#))
- Fixed a librados crash where `ping_monitor()` tripped a lock assertion during the msgr2 handshake and aborted the client with SIGABRT; bound the pinger's connection to its own lock so the auth guard holds without blocking on `monc_lock` ([#71797](#))
- Exposed per-shard queue ownership from `cls_lock` in `radosgw-admin topic stats`, letting operators pinpoint a stalled shard without inspecting each one ([#71092](#))
- Documented `ceph-bluestore-tool set-label-key/rm-label-key` in the man page, backported to the Squid and Tentacle releases ([#71240](#))

Sugar Labs | *Music Blocks, JavaScript/TypeScript, Python*

6 merged PRs

- Built contextual brick help for the Music Blocks v4 editor: delayed, drag-aware palette tooltips and a pie-menu help panel anchored to the brick on the canvas (+2.4k lines, with tests) ([#910](#))
- Fixed an app-wide freeze where projects with truncated block connections hit unbounded recursion on load; malformed blocks are now rejected, with a regression test ([#8684](#))
- Ranked block search by match quality (exact, prefix, substring), moving the Note block from 12th of 35 results to first ([#9220](#))

Also contributing to: cognee (MediaWiki, WordPress and Wikidata data-source connectors), Meshery (schemas, CLI, docs)

PROJECTS

Magpie | *Next.js, LangGraph, PostgreSQL, AWS*

magpie.akkki.tech

- Built an AI-native finance workspace where formulas reference named variables instead of cells, and every edit is an invertible command that doubles as undo history and audit log
- Designed a deterministic reconciliation engine (reference, amount, date window, fee tolerance, subset-sum for batched payouts) that escalates only ambiguous cases to an LLM, gated by an arithmetic re-check: **100% precision, 98.6% match rate** on 11,258 records
- LangGraph agents delegate analysis to read-only subagents and halt on any write until a human approves; deployed on EC2, RDS, S3 and Secrets Manager with CloudWatch alarms

ClearSky | *Python, AWS Lambda, DynamoDB, WhatsApp*

clearsky.akkki.tech

- WhatsApp-first system that books a baler for a farmer's paddy stubble from one Hindi or Punjabi voice note and routes the straw to the best-paying buyer, removing the reason to burn it
- Serverless pipeline (API Gateway, Lambda, SQS, Amazon Transcribe) feeding a tool-calling agent; each booking is one DynamoDB transaction of four conditional writes, so a baler-day is never double-booked
- Owned the AI model, testing and production deploy for a 4-person team, built in 4 days for WeMakeDevs × AWS Environmental Hacks

ACHIEVEMENTS

Runner-up, WeMakeDevs × AWS “First Commit” Hackathon

2026

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C++, Java

Frameworks & Tools: React, Next.js, Node.js, Django, React Native, LangGraph, MCP, Prisma, Drizzle, Docker, Linux

Cloud & Data: AWS (Lambda, DynamoDB, EC2, RDS, S3, SQS), PostgreSQL, MongoDB, Redis, Ceph/RADOS