SATHISH KUMAR KUSUMA

Senior Technical Program Manager | AI-Native Delivery & Agentic Workflows

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PROFESSIONAL SUMMARY

Senior Technical Program Manager with 15+ years delivering large-scale Java, DevOps, QA and low-code programs for global clients (VMO2, BMW, Wells Fargo, Eir, KILN Insurance), including organizations of 200+. Since 2023, has applied that delivery discipline to AI-native product engineering: directing Claude Code and OpenAI Codex agents through a governed spec, build, test, review and deploy cycle to ship an agentic engineering platform plus nine applications across mobile, web and API. Everything runs self-hosted on two VPS with CI/CD, SSO, secrets management and automated quality gates. Combines program governance, hands-on DevOps and practical agentic-AI experience for remote AI delivery, TPM and AI-operations roles.

CORE COMPETENCIES

AI & Agentic Engineering: Claude Code, OpenAI Codex, Claude Agent SDK, MCP servers, multi-agent workflows (researcher / coder / reviewer), human-in-the-loop approval gates, Temporal durable workflows, RAG and pgvector, local LLMs (Ollama), AI spend guardrails

Program & Delivery Management: Agile/Scrum, Waterfall, SDLC, ITSM, L1-L3 production support, risk and stakeholder management, vendor and resource management, KPI and margin tracking, application transitions

Engineering: Flutter/Dart, TypeScript, Next.js, NestJS, Python (FastAPI, Flask), Java/Spring Boot, PHP/Laravel, REST/tRPC, PostgreSQL/PostGIS, MySQL, Supabase, Firebase, Redis, OutSystems

DevOps & Infrastructure: Docker, Coolify, Traefik, Forgejo and GitHub Actions CI/CD, Jenkins, Terraform, Authelia SSO, Infisical, Beszel/Uptime Kuma monitoring, Linux VPS (Hetzner, Contabo), AWS

Quality & Security: Playwright, Maestro, k6, Selenium, TestNG, JMeter, SonarQube, OWASP ZAP, Lighthouse, WCAG 2.1, GDPR/DPDP compliance by design

Tools: JIRA, MS Power BI, Git, Linux

PROFESSIONAL EXPERIENCE

Founder & AI-Native Product Builder | Independent, Bengaluru **Sep 2023 – Present**

- **Agentic delivery model:** directed AI coding agents (Claude Code, OpenAI Codex) through a documented plan, build, test, review and release loop; acted as product owner, architect and release manager for KusumaOS and nine applications.
- **KusumaOS (agentic engineering platform):** idea to AI research, human-approved spec, Docker-sandboxed coding agent, human-approved code review, merged PR and Coolify deploy. Includes kill switch, approval inbox, spend caps, per-agent metrics, MCP server and Telegram control bridge (Temporal, Claude Agent SDK, Postgres/pgvector, Drizzle, Next.js).
- **Platform operations:** run ~50 self-hosted service stacks across two VPS (Coolify, Traefik, Authelia SSO, Infisical secrets, Forgejo with CI runner, Beszel and Uptime Kuma monitoring, image-update alerts, backups).
- **Engineering governance:** authored solo-dev-rules, a reusable Claude Code plugin enforcing docs-first planning, test-before-done gates, secrets handling and compliance checks; every repo carries PLAN, HANDOVER and PENDING docs for continuity.
- **Quality at scale:** automated gates on every product, e.g. 291 tests on VitaFamily Health, 50 test files on SafeHeir, plus E2E (Playwright, Maestro), load (k6), security (OWASP ZAP) and accessibility (Lighthouse) pipelines.

NTT Data, Bengaluru | Senior Project Manager **Oct 2009 – Aug 2023**

- **VMO2 (2020–2023), Senior Test Manager:** led a 200+ member testing organization (Java, Selenium, TestNG, JMeter); built an in-house OutSystems app for invoicing, demand, resource tracking and reporting.
- **BMW IAAS (2018–2020), Senior Project Manager:** managed 8+ storage and non-storage tools; led APEX and Java application development, REST integration and JIRA enhancements.
- **Wells Fargo (2015–2018), Project Manager:** delivered Spring Boot microservices; enforced quality with SonarQube and JUnit; led SQA inspections and root cause analysis.
- **Eir (2009–2015), Quality & Performance Manager:** grew from developer to manager; ran Agile sprints, DevOps setup, SQA delivery authority, defect prevention and slippage analysis. Also supported KILN Insurance.
- Spearheaded an application transition from Munich to India as ITSM Manager; managed L1/L2/L3 production support, Agile practices and KPIs; mentored junior staff. Received the Outstanding Performance Award twice.

Marlabs, Bengaluru | Software Engineer **Dec 2007 – Sep 2009**

- Delivered Telecom projects (CRAMER 4/6, WebSphere Integration Developer, Hibernate, Java) for Logica and Torry Harris; handled RFCs, incidents and change requests.
- Team Lead on a WebSphere Process Server and Maven integration project; automated test cases with TestNG and Selenium.

SELECTED PROJECTS (2023 – PRESENT)

VitaFamily Health (Android) | *Flutter, Riverpod, Supabase (Postgres RLS, Edge Functions), RevenueCat*

- Family health manager for medications, appointments, vitals and records with role-based access; 57 screens, 291 automated tests, GDPR/DPDP-aware design, release pipeline built.

SafeHeir (Android) | *Flutter, Firebase (Auth, Firestore, FCM), RevenueCat*

- Family legacy vault that records where critical documents are, not the documents themselves; nominee and emergency access, audit trail, GDPR/CCPA/DPDP compliance.

RouteMate / CarryAlong | *Flutter, NestJS, Prisma, PostgreSQL/PostGIS, Redis*

- Route-based peer-to-peer delivery marketplace delivered milestone by milestone (listings, matching, chat APIs) with CI on Forgejo Actions.

InstitutesWorld | *Next.js, Express, PostgreSQL, Flutter*

- Multi-surface platform with separate test and production environments, CI/CD to Coolify, data-enrichment pipelines, Playwright/k6/ZAP/Lighthouse checks and WCAG 2.1 AA targets.

Fintracker | *Next.js, Flutter, FastAPI*

- Self-hosted, India-focused finance tracker unifying investments, expenses, net worth and tax planning.

MediaVault | *Turborepo, Next.js 15, tRPC, Drizzle, BullMQ, Clerk*

- Personal media-library manager with an OTT-aware discovery feed and watchlist.
- **Also built:** Nestory (Laravel + Flutter home inventory with OCR/AI jobs); CodeFinderHub (PHP, India PIN code and IFSC lookup, no login or tracking); Telegram Bulk Media Downloader (Python, Flask, Telethon, SFTP/WebDAV archive mode, Dockerized).

EDUCATION & CERTIFICATIONS

B.Tech, Tirumala Engineering College, JNTU Hyderabad **2005**
Certification: Google Cybersecurity Certificate
Languages: English, Hindi, Telugu, Kannada