

SAMEER KUMAR DASH

AI Product Lead & Architect | 0->1 Builder

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SUMMARY

Builder-operator with 15+ years shipping production systems and 3+ years in production AI. I own the full loop: identify a high-friction workflow, design the system, ship fast, and harden it for real users. Strong track record across voice, search, automation, and media infrastructure.

CORE SKILLS

0->1 product architecture, AI agents and RAG, CLIP/multimodal search, voice systems (ASR/TTS), OpenAI/Anthropic/Vertex AI, Pinecone/Qdrant/OpenSearch, Python/TypeScript/PHP, Next.js/React/Django, AWS/GCP, Docker, Celery/Redis, product + engineering leadership.

EXPERIENCE

Co-Founder & AI Product Lead Architect, Atva AI LLP | Sep 2025 - Present

built and shipped 3 AI-native products from scratch while mentoring a 3-engineer team.

Stonks Radio (stonksradio.live): built live market radio pipeline (NSE ingest -> multilingual AI commentary -> streaming delivery).

PropPulse / Vyomudra (propaa.netlify.app): shipped B2B2C multi-tenant real-estate SaaS with AI document understanding and WhatsApp-first flows.

Saraswati (saraswati.study): delivered production-style AI learning prototype for doubt solving, quiz flows, and counsellor support.

AI Architect, BeKind Initiative (Confidential Client) | Apr 2025 - Sep 2025

Owned architecture, development, and testing for enterprise empathy roleplay platform with scoring analytics and coaching insights.

AI Software Engineer, Firebucks | Jan 2025 - Apr 2025

Explored frontier AI opportunities, shaped integration strategy, and advised leadership on product feasibility.

AI Engineer - Generative Automation, Qolaba | Sep 2024 - Jan 2025

built single-call creative pipeline using Replicate + Ideogram; cut generation cycle from ~25 minutes to under 2 minutes.

AI Platform Architect, Isha Foundation | Oct 2023 - Sep 2024

built PhotoSemantics (CLIP-based search on 2M+ photos), reducing editorial selection time by ~75%.

drove voice cloning research and rollout, reducing monthly dubbing costs by \$1,000+.

built transcript retrieval system with semantic + keyword search over OpenSearch.

Project Manager - Media Ops & Automation, Isha Foundation | Oct 2020 - Oct 2022

led Dwara 2.0 archival delivery end-to-end and mentored a 5-person engineering team.

built invoice audit automation processing ~16,000 invoices/month; reduced manual effort by 25%.

Lead Software Engineer / Full Stack Developer, Isha Foundation | Oct 2017 - Oct 2021

headed Dwara archive platform (Spring Boot + Angular), enabling ~75% faster partial-file restores.

built and owned Vyom restoration workflows, operations dashboards, and JIRA/SMS/email automation.

Software Developer & Automation Engineer, Spectrum IT Global | Aug 2012 - Feb 2017

built recruitment and HR platforms end-to-end; reduced recruiter workload by ~50% through workflow automation.

FRESH TECHNICAL PROJECT HIGHLIGHTS

- bullet **ShipDoc AI** (Live): customs document validation engine with OCR + LLM checks across 40+ fields.
- bullet **Lightened / SYNASTRA** (In Development): multilingual voice-first reflection product with custom insight framework.
- bullet **Stonks Radio** (Beta Live): audio-first market intelligence with multilingual updates during market hours.
- bullet **InferForge** (Open Source): local-first AI video pipeline with retrievable and cost-tracked FSM orchestration.
- bullet **LiveKit Local Stack Plugin** (Open Source): self-hosted STT/LLM/TTS stack for lower cost and broader language support.
- bullet **Foundation preserved**: ATM/mainframe learning track (COBOL/CICS/JCL/DB2) and earlier automation projects kept intact.

OPEN SOURCE

InferForge - github.com/devdevaansha/inferforge_local_video_engine

LiveKit Local Stack Plugin - github.com/devdevaansha/local_livekit

MENTORSHIP & EDUCATION

Entrepreneurship Educator (Isha Vidhya, 2021), Mentor (Moonshot Programme, Isha Home School, 2021).

B.Tech, Electronics & Telecommunications - BPUT, Odisha (2010).

15 years of systems thinking | 3 years of production AI | Build what needs to exist.