Amrit Raj

Senior Full-Stack Engineer · AWS · AI Systems · Android

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Full-stack engineer with 8+ years across cloud infrastructure, AI integration and enterprise platforms. Sole technical owner of a production marketplace on AWS: backend, payments, AI moderation, web and three native Android apps. I ship fast with AI coding agents, run in parallel under strict type, test and review gates I enforce myself.

Skills

Languages	TypeScript, Node.js, React, Kotlin (Jetpack Compose), Flutter, Apex, SQL
Cloud / infra	AWS (ECS Fargate, Lambda, RDS/Aurora, S3, CloudFront, EventBridge, SSM, SES), PostgreSQL, Prisma, Redis/BullMQ, CI/CD, New Relic
AI	Vision-model moderation, multi-provider LLM orchestration (Bedrock, Vertex), speech-to-text and voice, multi-agent AI-assisted development
Domains	Systems architecture, payments and payouts, identity/KYC, tax compliance logic, real-time events, performance

Experience

DEC 2025 — NOW

Founder & Engineer · KeepThisArt (Evamuse Pvt Ltd), Patna

- Architected a cloud-native platform on AWS ECS Fargate (Node/Express, Prisma, PostgreSQL) with automated staging-to-production CI/CD and background workers.
- Built the protected-trade backbone: payments held until the buyer has the item, a gateway with automatic failover, seller payouts, and a warehouse intake flow that checks each item before release.
- Encoded Indian marketplace tax rules (TDS, GST TCS) into payout and invoice logic.
- Built an AI moderation pipeline that sends uncertain cases to human review, never a hard reject.
- Made the AI layer fail open: every external inference call is flag-gated, capped and degrades to a local path, so cost spikes or outages never block users.
- Set up cross-cloud auth (AWS ECS to Google Vertex) with Workload Identity Federation, so no long-lived keys exist.
- Shipped three native Android apps in Kotlin and Jetpack Compose (customer, staff and admin) plus a mobile-first web app, with Hindi and Hinglish voice onboarding.

NOV 2023 — DEC 2025

Career break & independent work

- Planned break; upskilled in cloud-native architecture and applied AI/LLM systems. Freelance full-stack and Android projects for small clients.

JAN 2022 — NOV 2023

Senior Software Engineer · ExpertCache, New Delhi

- Integrated AWS microservices with Salesforce REST APIs and flows for an enterprise job-guarantee program; built Apex and trigger logic.

OCT 2020 — MAR 2021

Freelance Developer · Avigna Consulting

- Built and published Android apps to the Play Store (Flutter, Firebase).

JUL 2019 — SEP 2020

Software Engineer · Doceree, New Delhi

- Cut media-upload time from about 7 s to under 1 s with AWS Lambda.
- Built multi-file upload and preview for HTML and video ads (MEAN stack); overhauled ad-tracking accuracy.

APR 2018 — JUN 2019

Software Developer · RightCloud, Gurgaon

- Migrated Infraguard.io from Angular 1.6 to 2+; wrote cross-platform automation (Ubuntu, Fedora, SUSE, RHEL, PowerShell) with AWS SSM.

APR 2017 — JAN 2018

Salesforce Developer · Appcino Technologies, Jaipur

- Built Lightning and HTML interfaces for US clients (MMPA, All Sports Association).

Education

B.TECH

Computer Science · Sikkim Manipal Institute of Technology (SMIT)