

SUMANTH KUMAR M

AI / Agent Engineer

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SUMMARY

Senior software engineer (8 years) who designs, ships, and **operates production LLM agent systems** — autonomous software running 24/7, not prototypes. Built and run a self-hosted multi-agent platform that orchestrates LLMs to triage issues, generate content, and dispatch coding work end to end, and open-sourced a **multi-agent code reviewer with a measured evaluation benchmark**. Strong Python and cross-platform background, with early roots in on-device speech / conversational AI. I build agents that do the work.

CORE STRENGTHS

- ▶ **LLM application engineering** — multi-agent orchestration, tool use / function calling, prompt engineering & caching, RAG, agent memory, structured output, per-task model routing, and **evaluation** (golden-dataset benchmarks, recall / false-alarm scoring).
- ▶ **Production autonomy** — event-driven agents, dispatchers, retries, heartbeats, idempotency, self-reporting via API; systems that recover and run unattended.
- ▶ **Full-stack & automation** — Python services and tooling, REST/SSE APIs, React Native, native Android, device automation, CI/CD.

EXPERIENCE

Software Engineer — Unify Technologies Pvt Ltd · Feb 2024 – Present

- Build and maintain **React Native** applications; own complex client-side **state management** and cross-platform architecture.
- Develop backend **Python** services, automation, and internal tooling supporting test and release workflows.

Senior Software Engineer — Robosoft Technologies Pvt Ltd · Dec 2022 – Jan 2024

- Android (Kotlin/Java) for a high-traffic jewellery e-commerce app: payment integrations, wishlist, and product analytics.
- Managed releases and monitored production stability with Crashlytics. Stack: MVVM, Coroutines, RxJava, Hilt, Retrofit, Firebase, Razorpay.

Senior Software Engineer — LoadShare Networks · Sep 2021 – Oct 2022

- Built order-to-delivery modules for a hyperlocal / last-mile delivery platform; hardened the codebase against production issues. Stack: Retrofit, Firebase, Hilt, MVVM, RxJava.

Software Engineer — Robosoft Technologies Pvt Ltd · Jul 2020 – Jul 2021

- Android development for a mobile digital-payments product (Japan market); code reviews and layout modernization. Stack: Koin, FCM, MVVM, Navigation Component, unit testing.

Software Engineer — Advanced Voice Research Labs · Jun 2018 – Jun 2020

- Built a **speech-recognition + chatbot** business app — early conversational / on-device AI: speech engines, Bluetooth, and a JavaScript ↔ native Android bridge.
- Mentored the team and built applications from scratch for clients.

SELECTED AI ENGINEERING PROJECTS

Independent · architecture walkthroughs available in interview

- ▶ **Quorum** — open-source **multi-agent code reviewer**: a dispatcher routes a diff to specialist LLM agents (security, performance, correctness, tests, style) in parallel; a synthesizer consolidates them into one verdict. Provider-agnostic (Claude / OpenAI / Ollama) with **native structured output**, a CI-gated **detection-eval benchmark** (recall / false-alarm scored), config-driven custom agents, and zero runtime dependencies. Live in-browser demo (Pyodide). github.com/skmdroid/quorum · skmdroid.github.io/quorum
- ▶ **Autonomous multi-agent ops platform** — an LLM dispatcher routing tasks to specialized agents (issue triage, content generation, code execution, strategy), with a realtime task board (REST + Server-Sent Events), per-task model routing, automatic retries, heartbeats, idempotency, and agents that self-report via API. Runs unattended 24/7.
- ▶ **Crash-triage agent** — watches production crash signals, drafts and routes fixes automatically.
- ▶ **Strategy agent** — scores candidate actions by expected value and surfaces one ranked recommendation per day.
- ▶ **Cross-platform app portfolio** — 15+ production apps (Flutter / Android / iOS) with Firebase, CI/CD, 15-language localization, and on-device + cloud AI features; 100K+ combined installs at 99.5% crash-free.

SKILLS

AI / LLM: Claude / OpenAI / Ollama orchestration · multi-agent systems · tool use & function calling · structured output · prompt engineering · prompt caching · RAG · agent memory · MCP · model routing · evals (golden-dataset, LLM-as-judge)

Languages: Python · Dart · JavaScript/TypeScript · Kotlin · Java · Swift

Mobile: React Native · Flutter · native Android (Jetpack Compose, MVVM, Coroutines, RxJava) · iOS

Backend & Infra: Flask · REST · Server-Sent Events · SQLite · Firebase (Firestore/RTDB/Functions/Auth) · Linux · systemd · cron

Tooling / DevOps: Python automation · adb device automation · Git · CI/CD · Crashlytics · GA4 analytics

EDUCATION

M.E., Computing Technologies & Virtualisation — Manipal School of Information Sciences (2018)

B.E., Computer Science & Engineering — Shri Madhwa Vadiraja Institute of Technology (2015)

Languages: English (professional) · Kannada · Hindi