# Mohammad Zohaib

+91-8957809411 zohaibmohammad88@gmail.com LinkedIn Portfolio GitHub LeetCode Blog

## Summary

Engineer building **agentic AI systems** – multi-agent orchestration, tool-calling runtimes, OAuth/API integrations, and model-agnostic LLM infrastructure. Building agent orchestration and MCP-based integrations at Hyperzod; previously led a 5-member Android and backend team at Lettrblack. **B.Tech, IT** – Ajay Kumar Garg Engineering College, 2023–2027 (CGPA: 8.1/10)

## Work Experience

**Software Development Intern (Agentic AI & Integrations)** | **Hyperzod** **Jun 2026 – Present** | Gurugram

- Building **agent orchestration** for a multi-tenant platform: **MCP Servers** exposing provider integrations as typed tools, with context assembly, tool schemas, agent constraints, and feedback loops to run reliable **multi-agent pipelines** with SSE streaming and Redis Pub/Sub.
- Designed the **provider-agnostic integration layer** agents act through – unified API contracts across Zoho, Mailchimp, and Bird with isolated **tenant boundaries**.
- Hardened the tool boundary with **authentication, self-healing token refresh**, and per-provider **rate limiting** to keep external calls compliant and reliable.
- Built bulk contact sync and **webhook** pipelines using **HTTP connection pooling**, Redis caching, and async Laravel queue workers – isolating side effects from the request cycle.

**Android Developer Head** | **Lettrblack** **Mar 2025 – Jun 2026** | Bengaluru (Remote)

- Led a **cross-functional team of 5** across Android and Backend – sprint planning, task delegation, PR reviews, and delivery across 4 modules: authentication, wallet, streak tracking, and content.
- Architected the Android client in **Jetpack Compose** with Clean Architecture and Hilt DI, connected to a Spring Boot/Postgres backend with deliberate trade-offs between execution speed and scalability.
- Swapped the AI Doubt Solver's LLM provider from Gemini to **Groq** mid-sprint to bypass a billing blocker with zero roadmap delay.
- Fixed **3 production bugs** – root-caused across the full stack, verified by QA, and closed within the sprint.

## Projects

**Zonrad – AI Agent Orchestration Platform** *Python, Django REST Framework, Next.js, SSE*

- No-code platform to build custom AI agents from natural-language prompts, running on a tool-calling (**ReAct**) runtime with **deterministic execution budgets** for bounded, auditable runs and a **model-agnostic** LLM layer (OpenAI, Gemini, DeepSeek).
- Agent tools for multimodal input (vision, CSV/files), image generation, schema-agnostic data validation, and **OAuth2** integrations (Mailchimp, Notion, Slack, Google).
- SSE-streamed chat, credit-based billing, and a platform API/SDK – verified via automated tests and live end-to-end runs against real services.

**Jobbie – Privacy-First Job Application Agent Skill** *Agent Skill, CLI, Open Source (MIT)*

- Local CLI + **Agent Skill** that onboards a résumé, checks keyword gaps against job postings, and drafts cover letters – all data stays on the user's machine.

**Expectr – AI Personal Finance & Habit Tracker** *Kotlin, Jetpack Compose, RoomDB, Coroutines, Gemini AI*

- Built end-to-end as sole developer – Financial Health Score, savings engine, and **Gemini AI** REST integration; **offline-first** via RoomDB. Cut perceived load time **40%** using spring-physics animations across **5+ screens**.

## Technical Skills

**AI & Agent Systems:** Multi-Agent Orchestration, Tool Calling (ReAct), MCP Servers, Harness Engineering, Context Engineering, Evals, Guardrails, Model-Agnostic LLMs (OpenAI, Gemini, DeepSeek, Groq), SSE Streaming
**Languages:** Python, Kotlin, Java, JavaScript, SQL
**Systems:** Multi-Tenancy, Rate Limiting, Webhooks, Redis (Caching, Pub/Sub), HTTP Pooling, Async Processing, Authentication, Idempotency, ACID, CAP Theorem
**Web & Backend:** Django, Django REST Framework, Next.js, Laravel, Vue.js, REST APIs, OAuth2
**Databases:** PostgreSQL, Redis, SQLite (RoomDB), Firebase
**Android:** Android SDK, Jetpack Compose, MVVM, Clean Architecture, Coroutines, StateFlow, Retrofit, Firebase, RoomDB, Hilt DI
**Tools:** Git, GitHub, Docker, Postman, GitHub Actions CI, ngrok, Android Studio
**AI-Assisted Development:** Claude Code and Codex daily for building, code review, and testing – every agent output reviewed and verified with tests

## Extracurricular Activities

- Technical blog at **mzohaib.hashnode.dev** on AI agent systems and Android architecture.
- Member of **Team Footprints** – delivered speeches and written content at **5+ college events** as an orator and writer.
- Competed in **Google Solution Challenge 2025**; selected for **AI Mobile Hackathon 2026** sponsored by Google for Developers and JetBrains.