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Naman Ajay Markhedkar

Software Engineer - 1

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EDUCATION

B.E. Computer Science + M.Sc. Physics, BITS Pilani, Goa Campus Aug 2025

SKILLS

Languages	Java, Python, TypeScript, SQL, C++
Frameworks & Backend	Spring Boot, Angular, ReactJS, REST APIs, RPC, gRPC, LangGraph, Google ADK
Databases & Tools	MSSQL, Sybase, Git, Webpack, Flux, Linux
AI / Systems	LLM Agents, RAG, Tool Routing, Human-in-the-Loop Systems, Telemetry, Session Management

TECHNICAL EXPERIENCE

Software Developer - Analyst July 2025 — Present
BlackRock Gurugram, Haryana

- Created and deployed a structured Private Markets AI Agent using **Google ADK** with access controls, validation layers, and monitored execution workflows.
- Adopted by **1000+ internal users** across engineering and product teams for portfolio IRR retrieval and transaction analysis.
- Built reusable production-grade agent orchestration framework supporting tool routing, callbacks, session persistence, and human-in-the-loop workflows for internal AI applications.
- Designed **protobuf definitions for RPC-based** Internal Rate of Return Calculator APIs capable of handling large payloads and responses.
- Designed and implemented **Liquidity Score** Settings module, developing **RESTful** backend services using **Spring Boot** and dynamic UI components in **AngularJS** to support client-specific liquidity data toggling via secure token-based access control.

Software Engineering Intern Jan 2025 — June 2025
BlackRock Gurugram, Haryana

- Created dynamic frontend components and toolbars for Aladdin Explore client application applying **Waterfall logic** to display components.
- Integrated dynamic Angular grid components to display **Matrix Correlation** and **Matrix Contribution** analytics by for factor-based analysis.
- Contributed to migration of **Sybase** to **MSSQL** database remediating nearly **400 DAO** classes.
- Utilized **AI-based automation approach** to reduce the amount of manual resolution and hence created 242 integration tests across **10+ repositories**.

Software Developer Intern June 2024 — Dec 2024
Disney+ Hotstar Remote

- Developed a Metadata Review Tool for CMS, enabling dynamic comparison of metadata changes and their impacts, reducing errors in content updates.
- Designed and implemented a tab-based UI with JSON object comparison for detailed change analysis.
- Improved web performance using techniques like **tree shaking, code splitting, and Webpack bundling, enhancing Core Web Vitals** metrics.
- Built scalable frontend workflows using ReactJS class components, Flux architecture, ESLint, and CSS preprocessors within Disney+ Hotstar's CMS ecosystem.

Full Stack Developer June 2022 — July 2022
Mazo Solutions Chennai, Tamil Nadu

- Developed a bot-based interview taking system using HTML, CSS, JavaScript, Node.js, ES6, SQL, Angular framework, Web RTC, and MediaRecorder API.
- Optimized the interview process through the implementation of an automated system, resulting in a 50% reduction in HR workload and streamlining candidate selection to save up to 20 hours per week.

ACHIEVEMENTS

- Solved 1000+ algorithmic and competitive programming problems across LeetCode and Codeforces.
- Won the APAC BlackRock Hackathon 2026 for developing an AI agentic workflow that streamlined recurring Aladdin client issue resolution.