

Rishabh R Chaudhary

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SUMMARY

Senior Software Engineer with 4 years of experience building scalable backend and distributed systems using C#/.NET, event-driven architectures, and asynchronous processing. Experienced in building production Agentic AI applications, including text and voice agents, RAG, tool calling, structured outputs, and multi-step workflow automation. Strong focus on reliable, high-volume, multi-tenant systems.

TECHNICAL SKILLS

Languages & Frameworks: C#, .NET Core/.NET 8, ASP.NET Core, JavaScript, TypeScript, React.js, Next.js

Data & Messaging: MySQL, Redis, MongoDB, ClickHouse, Elasticsearch, RabbitMQ, MassTransit

Cloud & DevOps: AWS (S3, Lambda), Docker, Kubernetes, CI/CD

AI/LLM: RAG, Tool/Function Calling, Structured Outputs, Embeddings, Vector Search

Architecture: Distributed Systems, Event-Driven Architecture, Microservices

EXPERIENCE

Leoforce

April 2025 – Present

Senior Software Engineer

- Architected multi-tenant event-driven processing using .NET, RabbitMQ, and MassTransit, enabling parallel processing across 10+ enterprise tenants and reducing message wait times by up to 70%.
- Redesigned a bulk candidate workflow where high-volume recruiter actions were processed as thousands of individual operations, replacing it with a Saga-style asynchronous batch pipeline using C#, ASP.NET Core, Redis, MySQL, and message queues, with candidate-level state tracking, chunked processing, distributed locking, retries/requeues, failure recovery, and completion tracking.
- Built an AI Text Agent using structured LLM outputs to classify candidate replies, detect intent, extract availability, handle follow-up questions, and drive automated screening and interview scheduling workflows using C#/.NET and LLM APIs.
- Built an end-to-end AI Voice Agent for career-site recruiting, enabling natural-language job discovery, grounded job Q&A, candidate profile building, screening, and interview scheduling with guardrails to prevent hallucinated job information.
- Built an LLM-powered inbound sales qualification agent using FastAPI and GPT-4o, combining tool calling with deterministic intake flows, RAG-backed FAQs, structured-output extraction, and mixed-intent handling to convert website visitors into qualified sales leads.
- Built an AI-powered candidate recommendation service using C#/.NET, OpenAI embeddings, and S3 vector search to surface high-fit candidates from existing talent pools for new job openings.

Leoforce

July 2022 – March 2025

Software Engineer

- Designed and enhanced a state-machine-based recruitment agent, enabling automated candidate interactions and orchestration of multi-step recruitment lifecycle workflows.
- Delivered full-stack recruiter productivity features across C#/.NET APIs and JavaScript/TypeScript-based interfaces, supporting CRM workflows and candidate management.
- Built recruiter-facing candidate search and discovery workflows, including advanced filtering, search automation, candidate tracking, matching, and bulk candidate operations.

EDUCATION

Harcourt Butler Technical University

August 2018 – June 2022

B.Tech in Information Technology

Kanpur, India