

Yash Meshram

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EDUCATION

Rungta College of Engineering and Technology

Bachelor of Technology in Computer Science

Bhilai, CG

Jun. 2018 – Jun. 2021

EXPERIENCE

Full Stack Engineer

Benekiva

Remote

2024 – 2026

- Engineered and maintained scalable REST APIs using Node.js and TypeScript, supporting critical workflows for a US-based insurance platform.
- Designed and optimized PostgreSQL database queries, improving API performance and ensuring data consistency across high-volume operations.
- Improved application performance by optimizing database access patterns, reducing response times for data-intensive requests.
- Managed application deployments and production infrastructure on AWS EC2, monitoring reliability and resolving production issues.
- Worked closely with cross-functional teams across time zones to deliver features in an agile, remote-first environment.

Associate Software Engineer

Hexaware Technologies

Delhi, India

2021 – 2023

- Developed and maintained full-stack web applications using React, Node.js, Express, and MongoDB.
- Implemented reusable backend APIs and integrated frontend components to deliver new product features.
- Wrote clean, maintainable code while participating in peer code reviews and Agile development practices.
- Optimized MongoDB queries and data models to improve application responsiveness and reliability.
- Collaborated with QA, UI/UX designers, and senior engineers to deliver high-quality releases on schedule.
- Assisted in debugging production issues and implementing bug fixes to improve application stability.

PROJECTS

Centralized Exchange | TypeScript, React, PostgreSQL, Prisma, Redis, WebSockets

- Designed and developed a centralized exchange platform supporting real-time order placement and trade execution.
- Implemented an order book engine with live market data streaming using WebSockets.
- Built scalable backend services with TypeScript and Prisma, leveraging PostgreSQL for transactional data storage.
- Integrated Redis for caching and pub/sub communication to support low-latency updates.
- Developed a React-based frontend for order management, market visualization, and real-time trading interactions.

AI Agent | TypeScript, LLMs, Tool Calling, Agent loop

- Built a personal AI agent with custom tool integrations for task execution, information retrieval, and workflow automation.
- Implemented conversation state management, context handling, and tool orchestration to improve task completion and response quality.
- Designed an extensible architecture that allows new tools and capabilities to be integrated with minimal changes.
- Currently developing a second-generation version with improved memory management, reasoning capabilities, and agent coordination.

TECHNICAL SKILLS

Languages: TypeScript, Go, C/C++

Frontend: React, Next.js

Backend: Node.js, Express.js, Bun, ElysiaJS

Databases: PostgreSQL, MongoDB, Redis, Prisma ORM

Cloud / DevOps: AWS EC2, Git, Bash, Linux

Technologies: REST APIs, WebSockets, Distributed Systems, System Design, AI Agents