

SARTHAK MODHE

📞 +91-7415623383 ✉️ sarthakpravin08@gmail.com [in linkedin.com/in/sarthakmodhe](https://www.linkedin.com/in/sarthakmodhe) github.com/Sarthak8822

Education

Shri G.S. Institute of Technology and Science

Indore, India

Bachelor of Technology in Information Technology; CGPA: 8.1/10

September 2020 – April 2024

Experience

Graviton Consulting Services

Hybrid, Pune, India

Software Engineer

January 2024 – Present

- Created backend automation services to handle high-volume Purchase Order ingestion using **Java, Spring Boot, Python, SQL, REST APIs** and **NoSQL**, following modular **microservice** design, reducing cost up to 50 percent
- Defined a loosely coupled data integration architecture resembling microservice workflows to process Time and Labor data from legacy systems, achieving **40 percent** higher **throughput** and upgraded scalability
- Deployed 10+ Payroll and HR Interfaces for US county clients using SQL, BIP and production-ready backend services and integrations, owning the complete SDLC requirement analysis, development, integration testing, deployment, and production support
- Enhanced API-driven **ReactJS** interfaces for a high-scale contract management system supporting 10K+ users and 10M+ contracts, ensuring efficient frontend-backend communication and fine-tuned performance and usability
- Optimized database queries, API payloads, and data transformation logic using **Java, Python, JavaScript**, and **SQL**, improving response times and ensuring reliability in enterprise-scale distributed systems

Zomato

Gurugram, India

Software Engineer Intern

May 2023 – August 2023

- Built a scalable coupon-generation service and an interactive chatbot visualizer (graph-based UI) using Golang, Python, ReactJS, AWS, and NewRelic, improving internal tooling efficiency and reducing debugging time for product teams
- Engineered and deployed 5+ high-performance gRPC microservices to streamline communication across frontend, API gateways, and backend services, resulting in faster response times and improved platform reliability
- Collaborated with a cross-functional team of 100+ engineers, designers, and PMs, ensuring smooth integration across distributed systems and contributing to critical feature rollouts under tight deadlines

Projects

Personal Finance Manager | *Java, Springboot, Native, SQL*

- Architected an enterprise personal finance platform using Springboot microservices (User, Transaction, Budget, Report, Eureka, API Gateway) with PostgreSQL multi-schema, delivering 30+ REST APIs with strict bounded-context isolation
- Implemented secure backend systems using Spring Security (JWT, BCrypt), apportioned delete orchestration, and @Transactional consistency, ensuring high data integrity and fault-tolerant microservices
- Constructed a React Native (TypeScript) app with offline-first encryption and async budget alerts, achieving 150ms API latency through indexing, and query optimization, with AI-driven insights and personalized financial suggestions

Job Hunt | *Next.js, RapidAPI, AcertinityUI*

- Built a job discovery platform using Next.js, RapidAPI, and AcertinityUI with a fast, responsive interface
- Developed a unified API layer to merge multi-source job data and improve consistency
- Leveraged queries, caching, and routing, reducing job load times by 20 percent for smoother UX

Technical Skills

Languages: C++, Java, Python, JavaScript, SQL, Golang(gRPC)

Developer/Web Tools: VS Code, Oracle Cloud Platform, IntelliJ IDEA, HTML, CSS, Bootstrap, jQuery, EJS, MySQL, MongoDB, Firebase, Databases, BI Publisher, Visual Builder, DBeaver, SQLWorkbench

Technologies/Frameworks: React, Next, Node.js, Express, Git, GitHub, Docker, OCI, AWS, CI/CD, Redux

Leadership / Extracurricular

hashInclude

SGSITS Indore

Senior Coordinator

October 2022 – April 2024

- Organized and led 10+ tech and coding events, boosting the institute's development and open-source culture through hands-on sessions and collaborative projects
- Mentored 25+ juniors in DSA basics, development workflows, and open-source projects, helping them build practical coding skills and confidence

Hackathon

Gurugram, India

Zomato

November 2023

- Launched an innovative metaverse site based on Decentraland open source enabling visitors to experience realistic walkthroughs, received positive feedback from 4 out of 5 jury members emphasizing enhanced accessibility