

Mayur Kukatkar

Nagpur, Maharashtra, India | +91 9970601883 | mayurkukatkar43@gmail.com
[linkedin.com/in/mayur-kukatkar](https://www.linkedin.com/in/mayur-kukatkar) | github.com/mayurkukatkar | mayurkukatkar.in

PROFILE SUMMARY

Detail-oriented Software & Systems Analyst with a strong background in backend architectures, cloud technologies, API interaction, and system monitoring. Adept at providing technical support by analyzing and testing REST APIs, performing complex SQL data analysis, and reading application source code to resolve integration issues. Proven ability to conduct Root Cause Analysis (RCA) and collaborate with cross-functional development, DevOps, and security teams to ensure system reliability and optimize application performance for stakeholders. Strong problem-solving abilities and clear communication skills tailored for technical support and incident operations.

TECHNICAL EXPERTISE

- **API Testing & Tools:** Postman, Swagger, cURL, Chrome DevTools, REST API Analysis & Debugging
- **Cloud & Monitoring:** Cloud Platforms (AWS, GCP), Docker, Log Analysis, System Monitoring Tools, CI/CD Pipelines
- **Databases & Data Analysis:** SQL, PostgreSQL, MySQL, Oracle 11g, RDBMS, Database Queries, Data Analysis
- **Programming & Debugging:** Java, Python, AI-assisted Troubleshooting (ChatGPT, Copilot)
- **Security & Operations:** JWT, OAuth2, Role-Based Access Control (RBAC), Incident Management & RCA Collaboration

PROFESSIONAL EXPERIENCE

Founder / Freelance Software Engineer

Jan 2026 – Present

WhereReady

Nagpur, India

- **Technical Consulting & Support:** Provided end-to-end technical support and consulting for freelance clients, diagnosing system requirements and delivering tailored software solutions.
- **System Development & Troubleshooting:** Designed, developed, and deployed custom applications, proactively troubleshooting integration issues and ensuring high system reliability.
- **Client Operations:** Managed client relationships, acting as the primary point of contact for bug reporting, root cause analysis, and system maintenance.

Software Engineer

Jul 2025 – Jan 2026

ARDsoft

Nagpur, India

- **API Testing & Troubleshooting:** Provided technical support and resolved escalated issues for 15+ REST endpoints handling 10,000+ daily requests. Leveraged Postman, Swagger, and cURL to diagnose and resolve API integration bottlenecks, improving average response times by 40%.
- **Root Cause Analysis (RCA):** Read and interpreted backend application source code, and utilized AI-assisted tools for log analysis to identify root causes of system inefficiencies and operational errors.
- **Database Query & Data Analysis:** Conducted complex data analysis and formulated database queries using SQL across RDBMS (Oracle, MySQL) to investigate system behavior anomalies. Refactored 20+ legacy queries, significantly reducing execution time for million-record datasets and improving stakeholder experience.
- **System Monitoring & Reliability:** Leveraged monitoring and logging tools to proactively diagnose system performance issues, ensuring 99.5% uptime for distributed microservices and maintaining critical data consistency.
- **Cross-functional Collaboration:** Collaborated closely with development, DevOps, and security teams to support system operations, enforce zero-incident security architectures, and maintain robust deployment pipelines.

Software Engineer Intern

Jan 2025 – June 2025

ARDsoft

Nagpur, India

- **API Validation & Issue Prevention:** Developed and rigorously tested 25+ RESTful APIs. Validated system reliability using comprehensive Postman test suites covering 40+ edge cases and evaluating error handling to minimize production support issues.
- **Database Design & Analysis:** Created normalized database schemas and executed efficient CRUD operations using SQL, ensuring data integrity and reliable access for an internal Employee Management System serving 200+ users.

- **System Behavior Analysis:** Investigated application logs and system behavior to identify optimization opportunities, successfully resolving startup bottlenecks and reducing application startup time from 45s to 18s.
- **Code Analysis:** Analyzed layered architecture codebases to ensure clean separation of concerns, robust system execution, and ease of future troubleshooting.

KEY PROJECTS

Smart Task Workforce Management System

- Architected a scalable system handling 500+ concurrent users, implementing comprehensive logging and exception handling to facilitate rapid troubleshooting.
- Extensively tested API endpoints with Postman/Swagger to ensure real-time status tracking reliability. Implemented a robust security system and optimized database schemas with efficient indexing for sub-100ms query performance.

Business CRM Solution

- Built robust backend routes managing customer data and sales pipelines. Implemented complex SQL aggregation queries for real-time reporting dashboards, processing 10,000+ transactions with sub-second responses.
- Actively debugged client-server interactions using Chrome DevTools and network analysis to resolve integration challenges.

The Product Shop (E-Commerce Backend)

- Developed 30+ RESTful APIs and managed varied product attributes using flexible data models.
- Leveraged caching layers and optimized aggregation pipelines, reducing database queries by 45% and improving overall system observability and catalog load times.

EDUCATION

Bachelor of Technology in Information Technology

St. Vincent Pallotti College of Engineering and Technology, Nagpur

2021 – 2025

CGPA: 6.63/10