Rohit shukla

Email: rohitshukla5911@gmail.com **Mobile** : 9451790511 **Location**: Chennai, India
Github: github.com/rohitshukla001 **Portfolio**: info.rohitshukla.net **LinkedIn**: linkedin.com/in/rohitshukla001

PROFILE SUMMARY

Software Engineer with over 4 years of experience building scalable distributed systems and microservices. Expertise in Go, Java, and cloud-native architectures on GCP/AWS. Proven track record of improving system scalability by 40% and reducing deployment time by 60% through containerization and CI/CD automation. Strong background in event-driven architectures, API design, and database optimization. Hands-on experience with AI-assisted development tools (Cursor, Claude, Copilot) and agentic AI frameworks. Practiced TDD advocate with experience in fast-paced agile (Scrum) environments, mentoring junior engineers and driving code quality through structured review processes.

SKILLS

Languages: Go, Java, Python, SQL, HTML, CSS
Frameworks: Angular, Spring (Spring Boot, Spring MVC), Hibernate, gRPC, Microservices, System design, Servlets, JSP
Databases and Monitoring: MongoDB, PostgreSQL, Redis, Kibana, Elasticsearch, Datadog, BigQuery, Analytics Tools
Cloud & DevOps: GCP, AWS, Kubernetes, Docker, CI/CD, GAE, GKE, Terraform, Jenkins, Git
Security & APIs: OAuth 2.0, JWT, RESTful APIs,Postman, Spring Security, API Authentication
Message Queues: RabbitMQ, Pub/Sub
Testing & Quality: JUnit, Spock, Sonar, JMeter, TDD
AI & Agentic Tools: Copilot, Cursor, Google ADK, Gemini AI, RAG, MCP, OpenAI, LLM

WORK EXPERIENCE

Vendasta - Software Developer II
September 2024 - Current   Chennai, India

- Developed scalable distributed applications using Go on GCP with Datastore/Google Spanner persistence and OAuth 2.0 authentication, serving high-throughput workloads.
- Architected microservices solutions with Kubernetes orchestration, improving system scalability by 40% and achieving high availability with fault-tolerant gRPC communication.
- Deployed containerized services using Docker with monitoring via Prometheus and automated CI/CD pipelines, reducing deployment cycles by 60%.
- Followed TDD practices across services, using JUnit for unit testing and Sonar for code quality enforcement, maintaining 80%+ code coverage.
- Worked in an agile Scrum environment, actively participating in sprint planning, stand-ups, and retrospectives to deliver features on time.
- Used AI-assisted coding tools (Copilot, Cursor) to accelerate development and improve code consistency across the team.

Dataman Computer Systems - Associate Software Developer
February 2022 - September 2024   Kanpur, India

- Architected and deployed 5+ RESTful microservices serving 10,000+ daily requests, reducing response time by 25% through optimized database queries and caching strategies.
- Led integration of 3rd-party payment and notification APIs, increasing transaction success rate from 85% to 98% with robust error handling and retry logic.
- Mentored 2 junior developers on ORM best practices and code review processes.
- Delivered features iteratively in an agile Scrum setup, collaborating closely with QA and product stakeholders across sprint cycles.

HACKATHON

Google AI Agent Development Kit Hackathon | **Software developer & AI Developer**

- Designed and built a multi-agent AI system using Google ADK and Gemini AI, integrating Python monitoring agents with Google Cloud IoT for 100+ concurrent sessions.
- Implemented RAG-based knowledge retrieval and MCP-style agent communication protocols for autonomous decision-making across distributed sensors.
- Deployed ML models that improved crop yield forecasts by 35%, reducing manual garden maintenance by 70%.
- Architected the multi-agent communication layer, enabling real-time coordination between sensor, analysis, and action agents.

PROJECTS

Event Management Application
Technologies Used: Java, Spring Boot, Hibernate, Spring MVC, Spring Security, PostgreSQL, RESTful APIs, Docker, Redis, RabbitMQ, HTML5, CSS3, Thymeleaf, Cashfree, Twilio

- Built a full-stack event management system covering scheduling, ticketing, payments, and attendee management using microservices with containerized deployments.
- Integrated 3rd-party payment (Cashfree) and notification (Twilio) services, achieving 100% security compliance and a 30% improvement in user retention.
- Implemented comprehensive test coverage using JUnit and followed TDD practices throughout the development lifecycle, enforcing quality via Sonar.
- Optimized database queries and implemented Redis caching strategies, improving system response time and reducing manual overhead by 40%.
- Accelerated deployment by 60% through Docker containerization and CI/CD pipeline automation.
- Collaborated with a team of 4 developers, leading sprint deliverables and conducting structured code reviews in an agile Scrum environment.

EDUCATION

Dr. A.P.J. Abdul Kalam Technical University - Masters (Master Of Computer Application - MCA)

June 2020 - July 2022   Kanpur, India