MONU CHAUDHARY

9368818387 | monuchaudharypoonia@gmail.com | linkedin.com/in/monu-chaudhary | github.com/MonuChaudhary14

Experience

Software Incubator – Software Development Center **Nov 2025 – Present**
Backend Developer (Go and Spring Boot) *Ghaziabad, Uttar Pradesh*

- Develop backend services and REST APIs using Spring Boot and Go with modular, scalable architecture.
- Implement authentication and authorization using Spring Security, JWT, and RBAC.
- Optimize persistence and API performance using Spring Data JPA, Hibernate, PostgreSQL, Redis, indexing, and caching.
- Work with Docker, CI/CD, Prometheus, Grafana, and production debugging.

Google Summer of Code – Checkstyle **May 2026 – Aug 2026**
GSoC '26 Mentee *Open Source*

- Selected for Google Summer of Code 2026 under **Checkstyle** to contribute to Checkstyle OpenRewrite Recipes.
- Developed OpenRewrite recipes for automated Java code refactoring and modernization.
- Worked on automated migration workflows for Checkstyle configurations using OpenRewrite.
- Contributed to recipe development, testing, documentation, and CI workflows.

Education

Dr. A. P. J. Abdul Kalam Technical University **Aug 2024 – May 2028 (Expected)**
Bachelor of Technology in Computer Science and Engineering – CGPA: 8.77 *Ghaziabad, Uttar Pradesh*

Projects

Archon | *Go, Python, Kafka, PostgreSQL, Redis, Qdrant, OpenTelemetry, Docker* GitHub **Jun 2026**

- Architected a distributed AI interview platform with a high-concurrency Go API Gateway and Python/FastAPI AI Engine.
- Integrated PostgreSQL Logical Decoding, Debezium, Kafka, and Transactional Outbox for event-driven processing.
- Scaled multi-node WebSockets using Redis Pub/Sub for real-time communication and LLM token streaming.
- Built a RAG evaluation engine using Qdrant and FastEmbed for system design feedback.
- Implemented Kafka retry/DLQ, circuit breakers, rate limiting, OpenTelemetry, Jaeger, and Prometheus.

SpaceHub | *Java 21, Spring Boot, Kafka, Redis, PostgreSQL, OpenSearch, Debezium, LiveKit, Docker* GitHub **Oct 2025**

- Built a distributed real-time collaboration backend using Spring Boot, Java 21 Virtual Threads, WebSockets, and LiveKit.
- Designed multi-node WebSocket scaling with Redis Pub/Sub and sliding-window presence using Redis Sorted Sets.
- Implemented Kafka ingestion with two-tier idempotency, durable PostgreSQL event tracking, and DLQs.
- Built CDC-driven full-text search using PostgreSQL WAL, Debezium, Kafka, and OpenSearch.
- Implemented distributed caching with Redisson lock-based stampede protection and cache-aside invalidation.
- Added token-bucket rate limiting, Resilience4j fault tolerance, Prometheus/Grafana telemetry, and S3 presigned uploads.

Technical Skills

Languages: Java, Go, C, C++, Python, JavaScript
Backend: Spring Boot, Spring Security, REST APIs, WebSockets, JWT, OAuth 2.0, Gin, Microservices
Distributed Systems: Apache Kafka, Debezium, Redis Pub/Sub, Transactional Outbox, Rate Limiting, Circuit Breakers
AI & LLM: LangChain, LangGraph, RAG, Qdrant, Vector Databases, FastEmbed
Databases: PostgreSQL, MySQL, MongoDB, Redis, OpenSearch
Cloud & DevOps: AWS (EC2, S3, Lambda), Docker, Docker Compose, CI/CD, Linux
Observability: OpenTelemetry, Jaeger, Prometheus, Grafana, Micrometer
Tools: Git, GitHub, IntelliJ IDEA, VS Code, Postman

Achievements

- Achieved **2-Star rating on CodeChef** and maximum **1127 Codeforces rating**.
- Participated in multiple **national-level hackathons**, contributing to backend architecture and API development.