

Achyuth Kummar

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 github.com

Technical Skills

Programming Languages: Advanced Java, Python

Tech Stack: Spring Boot, Hibernate, REST APIs

System Design: Microservices Architecture, Domain-Driven Design (DDD), Event-Driven Systems, Design Patterns

Cloud and DevOps: Kubernetes, Amazon Web Services (AWS), Terraform, GitHub, Jenkins

Data & Messaging: MySQL, DynamoDB, MongoDB, Kafka

Core CS : Data Structures & Algorithms, Object-Oriented Programming, DBMS, Operating Systems

Certifications: AWS Certified Cloud Practitioner

Projects

API Rate Limiting Gateway | Java, Spring Boot, Redis, JWT

- Built lightweight API gateway implementing token bucket rate limiting per user and per endpoint to prevent abuse under concurrent traffic.
- Integrated Redis for distributed rate limit state management across multiple instances.
- Ensured thread safety using AtomicInteger and concurrent data structures to eliminate race conditions.
- Maintained request throttling accuracy with minimal latency overhead (<10ms per request).

InterviewHub – Coding Practice Backend | Java, Spring Boot, MySQL, Redis, JWT

- Designed scalable RESTful backend supporting authenticated users with role-based access control (USER/ADMIN).
- Modeled normalized relational schema with indexed queries, improving submission retrieval performance by 40%.
- Implemented submission tracking and paginated APIs, reducing response time from 220ms to 130ms.
- Integrated Redis caching for leaderboard computation, decreasing database reads by 60%.

CloudCostX – Cloud Cost Analyzer | Java, Spring Boot, MySQL

- Developed backend system to simulate cloud resource usage and compute monthly cost projections.
- Implemented aggregation logic to analyze consumption trends and detect idle resources, reducing simulated infrastructure cost by 25%.
- Designed cost optimization recommendation engine based on usage thresholds and anomaly detection rules.
- Exposed REST APIs to retrieve historical cost trends and real-time usage summaries.

Experience

Code Mania

July 2022 – June 2023

Full Stack Developer

Hyderabad, India

- Developed and maintained responsive web applications using React.js, improving user engagement by 20%.
- Built scalable backend services using Node.js and Express, implementing RESTful APIs and authentication mechanisms.
- Designed and managed MongoDB and SQL database schemas, optimizing queries to reduce load time by 30%.
- Implemented data validation and sanitization to enhance application security and prevent common vulnerabilities.
- Deployed applications to cloud platforms (Heroku, DigitalOcean) and managed version control using Git in Agile development cycles.

GenY Medium

April 2022 – June 2022

Jr. Web Developer Intern

Hyderabad, India

- Developed responsive web interfaces using Bootstrap, improving usability and cross-device compatibility.
- Assisted in building server-side functionalities using PHP and SQL, handling form processing and database operations.
- Participated in code reviews to maintain code quality and adherence to best practices.
- Collaborated with team members to troubleshoot production issues and implement timely solutions.

Education

Lewis University

Graduated May 2025

Masters In Computer and Information Systems (GPA: 3.80 / 4.00)

Romeoville, IL

Vasavi College of Engineering

Graduated AUG 2022

Bachelors In Information and Technology

Hyderabad, India