

# Anusruta Dutta

[LinkedIn](#) | [GitHub](#) | [Leetcode](#) (700+ problems solved) | [Scaler](#) | [Portfolio](#) | +91 7872859065 | [anusruta.dutta@gmail.com](mailto:anusruta.dutta@gmail.com)

## Technical Proficiency

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- **Languages:** Java (primary), SQL, Bash; familiar with C#, Python, JavaScript
- **Databases:** MySQL, PostgreSQL, SQL Server, Elasticsearch; indexing, query optimization, relational data modeling
- **Architecture & Systems:** Distributed Systems, Microservices, High Availability, Scalability, Fault Tolerance, Load Balancing
- **Engineering Principles:** Data Structures & Algorithms, SOLID, Clean Code, Domain-Driven Design, TDD
- **Software Design:** REST APIs, SOAP, Spring Boot, Event-Driven Architecture, Concurrency (Executor Service, Reentrant Locks)
- **DevOps:** Docker, CI/CD, System Monitoring, Kafka (Events/Messaging)
- **Tools:** Git, Postman, JIRA, Agile, IntelliJ, Eclipse
- **Competitive Coding:** [LeetCode](#) – 700+ problems solved (top percentile globally)

## Experience

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### [WiseTech Global](#) | Software Engineer | Dec 2022 – Nov 2024 | Bangalore, India

- Designed and scaled distributed microservices powering 2000+ REST APIs, supporting 10,000+ concurrent users and 1M+ monthly requests.
- Improved system performance by 30% by optimizing backend workflows, query indexing, and implementing Elasticsearch-based search.
- Orchestrated asynchronous job processing using Java concurrency APIs, reducing background task latency and improving throughput.
- Migrated session-based authentication to stateless JWT, enhancing security and enabling horizontal scalability across nodes.
- Automated bulk event processing via Observer pattern, ensuring system resilience under high traffic conditions.
- Containerized microservices with Docker and integrated CI/CD pipelines, improving deployment reliability and release velocity.
- Practiced TDD with 2000+ unit tests (>80% coverage), maintaining robust, maintainable, and regression-safe codebase.
- Led code reviews and mentored new engineers on distributed design, scalability, and system observability practices.

### [Accenture](#) | Application Development Analyst | Nov 2021 – Dec 2022 | Bangalore, India

- Developed Java and SQL-based reconciliation pipelines to automate financial data processing across millions of records.
- Enhanced enterprise-grade SOAP services ensuring reliable, fault-tolerant system integrations.
- Drove Agile sprints and release coordination with cross-functional global teams.
- Applied domain-driven design to modularize components and improve code maintainability.

### [Accenture](#) | Application Development Associate | Dec 2019 – Nov 2021 | Bangalore, India

- Engineered flight/hotel booking platform with Spring Boot and REST APIs capable of handling high concurrent load with low latency.
- Modernized legacy systems via refactoring and automation, increasing reliability and reducing manual workload.
- Completed intensive training in scalable software design, object-oriented programming, and TDD best practices.

## Projects

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### [ExpenseWon](#) – Expense Management System

- Built extensible expense management platform leveraging strategy and factory patterns to support dynamic business rules.
- Implemented reconciliation and analytics modules using optimized data structures, achieving sub-second query response times.

### [Elevator System Simulation](#)

- Simulated distributed elevator system using event-driven architecture and multithreaded request queues for concurrent state management.
- Designed fault-tolerant controller to handle edge cases and optimize elevator allocation under varying workloads.

## Education

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- **B. Tech, Mechanical Engineering** | Netaji Subhash Engineering College, Kolkata | 2018
- **Class XII (Science)** | Dantan H. S. M. School, West Bengal | 2014
- **Class X** | Dantan H. S. School, West Bengal | 2011