

ANANYA SHETTY

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SUMMARY

Software Engineer with 3+ years of experience in Java backend development and AI/LLM integration. Built secure and scalable microservices for clients like NatWest and Morgan Stanley, improving data handling, encryption, and test coverage. Currently at Turing, developing AI-driven solutions for intelligent automation and code generation. AWS Cloud Practitioner and Oracle Certified Java SE 8 professional.

SKILLS

Programming & Backend: Java 8, OOP, RESTful APIs, Microservices

Frameworks & Libraries: Spring Boot, Spring MVC, Spring Data JPA, Hibernate, Design Patterns, SOLID

Databases: PostgreSQL, MySQL

Testing: JUnit, Mockito, Cucumber, Integration Testing

Cloud & DevOps: AWS, IBM MQ, DELL ECS S3, TeamCity, Bitbucket, Git, CI/CD, Consul (Service Discovery)

Tools: IntelliJ, STS, Eclipse, Maven, Gradle, Jira, Confluence, Postman, DBeaver, MS Excel

AI & LLM Tools: ChatGPT, Claude AI, Prompt Engineering, LLM Fine-tuning & Evaluation

EXPERIENCE

Software Engineer

Bangalore, KA

Turing

03/25-Present

- Fine-tuned LLMs to generate accurate Java solutions and improve DSA-based outputs by enhancing model training with backend and AI expertise.
- Improved Java code generation precision by 30% and overall model performance by 25% using targeted fine-tuning, RLHF, and supervised learning.
- Developed validation strategies and evaluation workflows to achieve 95% output accuracy, ensuring production-level reliability.
- Designed system prompts and agent behavior frameworks for LLM-based assistants, including tool-selection logic, function-calling strategies, error handling, and prevention of prompt injection in multi-turn AI conversations.

Associate Consultant

Bangalore, KA

Capco Technologies

12/21-08/24

- Engineered robust microservices architecture for distributed systems, enhancing file handling, and implementing zipping techniques that improved data transfer speed by 30% across modules.
- Refined and integrated PGP encryption for RBS statements, securing data transfers for 10,000+ customers and meeting banking compliance standards.
- Worked with business and technical teams to gather requirements and convert them into technical deliverables; contributed to system design discussions.
- Automated PII data review workflows, reducing processing time by 30% and minimizing manual effort across teams.
- Strengthened API authentication and achieved 90% unit test coverage, ensuring compliance, security, and code quality during application development, with robust Exception Handling and utilizing Java Collections.
- Proficient with Bitbucket, TeamCity, JUnit, SonarQube, IBM MQ, and S3, enabling efficient CI/CD practices and maintaining robust code quality throughout the Software Development Life Cycle.

Capstone project - Mortgage Cash Microservice

- Designed and implemented RESTful Web Services using Java and Spring Boot, leveraging Object Oriented Programming principles and microservices architecture with Hibernate and Maven build automation to ensure scalability and maintainability during Software Development.
- Integrated MVC architecture with React, H2 Database, and Swagger for seamless and efficient RESTful Web Services access on Servers.
- Ensured code quality by enforcing 95% test coverage and created comprehensive technical documentation covering architecture diagrams and API specifications.

CS Associate

Bangalore, KA

Amazon Development Centre India Pvt. Ltd

09/20-02/21

- Managed and resolved customer inquiries daily, focusing on order processing and account issues, escalating complex issues to technical teams for resolution, achieving an average handle time of 5 minutes while maintaining a 90% customer satisfaction rating.

CERTIFICATIONS / AWARDS

- AWS Certified Cloud Practitioner – AWS (07/25)
- Oracle Certified Java SE 8 Programmer (1Z0-808) – Oracle (01/25)
- Data Analyst Associate – DataCamp (10/24)
- Clap Award (12/22) - Recognized for exceptional commitment to project work, contributing to Capco's successful delivery and strong brand design.

EDUCATION

Bachelor's of Engineering in Computer Science

Mangalore, KA

Sahyadri College of Engineering and Management

05/16-07/20

- SAE International AERODESIGN EAST 2017 (Florida) 2nd place in presentation, 7th place in overall and 1st place India