DHAERIESHAN (SOFTWARE ENGINEER)

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Portfolio: **https://dhaerieshan.work.gd/** | Location: Chennai, Tamil Nadu, India.

Summary

Backend-focused Software Engineer with experience in developing RESTful APIs using Spring Boot and Core Java. Strong foundation in object-oriented programming, database integration using SQL, and writing unit tests with JUnit and Mockito to ensure application reliability. Experienced in deploying applications using Docker and managing source code with Git. Additionally, delivered AI-powered backend solutions, including resume ranking systems and chatbot integrations using Python and Generative AI APIs. Passionate about building scalable, maintainable backend systems and continuously improving code quality.

Technical Skills

Programming Languages: JAVA, Python
Backend Frameworks: Spring Boot, Django
Core Concepts: OOP, REST, APIs, MVC Architecture, Exception Handling
Databases: SQL (MySQL/PostgreSQL)
Testing: Junit, Mockito
DevOps & Tools: Git, Docker, Linux
Cloud Technologies: AWS (EC2, S3), Azure
AI Integration: OpenAI APIs, NLP – based applications

Certificates

Machine learning and generative AI with python
Artificial Intelligence A-Z 2024
OpenAI & ChatGPT API's:Expert Fine-tuning for Developers
LangChain- Develop LLM powered applications
LangChain MasterClass

Work Experience

Freelancer	Backend Developer	Aug 2024 – Present
Hexaware Technologies	Associate Software Engineer	Oct 2023 – July 2024

Project 2:
- Developed and maintained backend applications using Core Java and Spring Boot, following object-oriented programming principles.
- Designed and implemented RESTful APIs to support client-side applications and third-party integrations.
- Integrated SQL databases for data persistence, optimised queries for performance, and ensured data integrity.
- Wrote unit test cases using JUnit and Mockito, improving code reliability and reducing defects.
- Containerised applications using Docker to ensure consistent deployment across environments.
- Managed version control using Git, following structured branching and collaboration workflows.

Project 1:
- Built an AI-powered interviewer using OpenAI APIs to simulate real-time technical interviews.
- Generated dynamic, role-based questions using LLMs with contextual conversation management.
- Processed candidate responses to provide structured feedback and performance evaluation.
- Optimized prompt engineering and ensured secure API integration for reliable outputs.

Hands-On Experience: AI-Integrated Backend Projects
- Deployed and hosted a local Llama model to enable offline AI capabilities.
- Integrated the model with backend services through REST APIs for prompt handling and response processing.
- Improved performance via prompt tuning and efficient resource management.
- Ensured secure internal access and seamless application integration.

Education
- B.Sc Computer Science – 2020 to 2023 - Prince Shri Venkateshwara Arts and Science College – Chennai