

Chandan Mourya

Linkedin: chandan-mourya-359323230

Github: Chandan-Mourya

Leetcode : chandanmourya4786

Email : chandanmourya4786@gmail.com

Portfolio: Chandan Mourya

Mobile : +918329589181

SUMMARY

Software Engineer with **4.5+ years** of experience in **Java** and **Spring Boot**, specializing in scalable backend systems, **RESTful APIs**, and **microservices architecture**. Experienced in building **high-performance** distributed applications, optimizing data processing, implementing **CI/CD pipelines**, and integrating **Elasticsearch-based search** solutions. **Microsoft Certified: Azure AI Engineer Associate** with strong expertise in **AI-assisted** engineering, **LLM-driven** development workflows, modern AI platforms, intelligent automation, and leveraging advanced **AI tools** to accelerate development productivity and solution delivery.

EXPERIANCE

• Punctuations.ai

Vasai, Maharashtra, India

Software Engineer

Jun 2025 - Present

- Developed and integrated multiple enterprise integrations including **OneNote** Integration, **SharePoint** Integration, **YouTube** Integration, **Statista** Integration, and **Euromonitor Passport API** Integration etc.
- Optimized **ElasticSearch** queries using **Elastic 9 KNN** and identified limitations in existing **fuzziness search**, proposing improved search approaches to **enhance search relevancy** and retrieval accuracy.
- Worked on **OCR research** and optimization, enhancing existing **Tesseract OCR**, exploring **GPT-based OCR pipelines**, evaluating **Nemotron OCR v2** etc and building prototypes to improve extraction quality and accuracy.
- Optimized backend Ingestion Service by eliminating redundant API calls and improving request flow, achieving nearly **50% reduction in Phi-4 API costs** while **enhancing** overall processing **efficiency** and **latency**.
- Designed and implemented **Relevancy Testing** and Red Team Evaluation workflows, including a reusable testing system for validating search relevancy, improving output quality, and enabling future scalability of **evaluation pipelines**.
- Improved large-scale **data migration performance** from **~110–280K/day** to **~400–600K/day (~2x improvement)** by optimizing migration workflows, improving processing efficiency, and identifying system bottlenecks.
- Prevented large-scale data duplication by **fixing duplicate Hydra writes** and contributed to **resolving** high-volume storage issues (**~4.1TB**) caused by retry-based duplication patterns, improving **data reliability** and **reducing storage overhead**.
- Improved document processing pipeline by removing unnecessary **DOCX → PDF → OCR** conversion flow, directly enabling **DOCX-to-Image OCR**, **reducing compute overhead**, improving processing speed, and **lowering infrastructure cost**.

• Revlitix Inc

Bengaluru, Karnataka, India

Software Engineer

Jan 2023 - June 2025

- Designed and developed scalable **Java + Spring Boot microservices** to support integrations with third-party platforms including Google Analytics 4, Google Ads, LinkedIn Ads, LinkedIn Organic, **Salesforce CRM**, and **HubSpot CRM**, using secure **OAuth2.0** authentication flows.
- Built and maintained **RESTful APIs** for unified marketing and sales analytics, powering real-time dashboards for multiple clients
- Improved backend performance using **multithreading** (ExecutorService, ConcurrentHashMap), reducing large-scale data processing time from 24 hours to just 10 minutes (**99.31% improvement**).
- Proposed and supported the migration of Java-based ETL services to **Node.js + AWS Lambda**, reducing infrastructure cost by approximately **75%** for scheduled daily syncs.
- Contributed to a modular, **white-label** analytics platform **enabling client-specific branding**, chart styling, logo configurations, and domain-based customization across multiple customer instances.
- Built dynamic chart APIs supporting **15+** chart types with user-driven drill-downs, filters, and KPI visibility settings, enhancing the white-label platform's flexibility and real-time customization.
- Implemented advanced **MongoDB aggregations and lookups** to improve query performance and handle large-scale cross-platform datasets.
- Collaborated with frontend teams using **TypeScript and React**, ensuring smooth API integrations and consistent data flow.

• Tata Consultancy Services

Thane, Maharashtra, India

Programmer

May 2021 - Aug 2022

- **NSDL Infrastructure Project:** Worked on the **NSDL Infrastructure Project**, maintaining critical **financial applications** with a strong focus on security, reliability, and scalability.
- Performed **Unit testing**, and system validation to improve application stability, **performance**, and **overall efficiency**.
- Identified and **fixed production bugs**, resolved technical issues, and provided maintenance support to **minimize system downtime** and ensure smooth operations.

SKILLS

- **Programming Languages:** Java, JavaScript, TypeScript, SQL
- **Backend & Frameworks:** Spring Boot, Spring Security, Hibernate, JPA/ORM, RESTful APIs, Node.js, Microservices, MVC Architecture
- **AI & Generative AI:** LLMs, RAG (Retrieval-Augmented Generation), Embeddings, AI Model Integration, Prompt Engineering, AI Tooling, Azure AI Foundry, OpenAI Models (GPT-4.1, GPT-4o Mini), Phi-4 etc.
- **Search & Data Technologies:** Elasticsearch, MongoDB, PostgreSQL, MySQL
- **Cloud & DevOps:** Docker, Kubernetes, CI/CD, ArgoCD, Azure
- **Messaging & Observability:** RabbitMQ, Kibana, Grafana, SLF4j
- **Tools & Platforms:** Git, GitHub, GitLab, Postman, Maven, Gradle, JIRA, ClickUp, Cursor
- **Architecture & Development Practices:** Microservices, Monolithic Architecture, Agile Development, API Design
- **Soft Skills:** Effective Team Collaboration, Strong Communication, Problem-Solving, Critical Thinking, Adaptability & Agile Learning, Organizational Skills, Ability to Meet Tight Deadlines

EDUCATION

Mumbai University | BSc in Computer Science

Mumbai, In | July 2018 - Apr 2021

Mumbai University | 12th

Mumbai, In | June 2016 - Apr 2018

CERTIFICATIONS

Microsoft Certified: Azure AI Engineer Associate

Udemy: Git Complete The definitive, step-by-step guide to Git

Udemy: Spring & Hibernate for Beginners (includes Spring Boot)

Udemy: Modern Java - Learn Java 8 features by coding it

Udemy: MongoDB - The Complete Developer's Guide 2022

Udemy: Master Microservices with Spring Boot and Spring Cloud

Masai School: Full Stack Web Development

ACADEMIC PROJECTS

Payment Wallet Application: Developed a **REST API**-based payment wallet system enabling users to **add money, deposit funds**, and pay bills. Implemented transaction history tracking and bill payment records. Collaborative project built with a team of 2 members. Tech Stack: Java, Spring Boot, MySQL, Hibernate, Swagger, MySql.