

Ashish Amar

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Backend Engineer with **4+ years** building *scalable, distributed systems* in Java and Python, specializing in *microservices architecture and system design*.
Delivering *end-to-end solutions* that drive measurable business outcomes.

PROFESSIONAL EXPERIENCE

RED HAT | SOFTWARE DEVELOPMENT ENGINEER 2 - DATA AND AI

Bangalore, India | Aug 2024 – Present

- **Designed and implemented** a scalable Master Data Management (MDM) system to manage global customer data, replacing a third-party tool and saving the company **\$2M annually**.
- **Migrated** an MVP from Python to a robust **Spring Boot + PostgreSQL** architecture, delivering a highly maintainable platform now used by **500+ internal users** across **Sales, Finance, Operations, and Partner Relations** teams company-wide.
- **Owned the project end-to-end**, from MVP to Release 1, driving requirements, architecture, feature development, testing (without a dedicated QA team), UAT, and production deployment under an **aggressive and high-pressure timeline** to enable **company-wide adoption**.
- **Enhanced search and matching algorithms by 90%** by introducing breadth-first matching with multi-parameter fallbacks, significantly improving **accuracy, match rates, and duplicate reduction** for **Sales, Operations, and Finance** workflows.
- **Integrated and enriched customer data** using IBM and third-party sources (DNB, GOE), enabling **deep cross-referencing and unified customer intelligence** across the organization.
- **Adopted AI-driven accelerators** for validation and automation of manual processes, cutting down turnaround times significantly.
- **Owned and led the end-to-end development of a critical microservice** integrating Red Hat and IBM customer data, enabling **enterprise-wide data enrichment and unified customer views** for downstream business teams, while driving **architecture, design, and implementation** independently.
- **Resolved 60+ production and post-release issues** within 4–5 months, consistently performing **rapid RCA and same-day fixes/deployments**, significantly improving system stability and turnaround time for critical defects.
- **Designed and implemented a data quality framework microservice**, improving accuracy and consistency of **410K+ customer records**, enabling reliable downstream analytics and business workflows.

RAKUTEN SYMPHONY | SOFTWARE ENGINEER

Bangalore, India | Mar 2022 – Jul 2024

- **Developed and optimized** microservices for Order Capture in a large-scale Telecom solution, improving order processing throughput by **30%**.
- **Onboarded 20+ APIs** and optimized 30+ APIs for latency, improving average response time by **25%**.
- **Maintained 85%+ unit test coverage**, ensuring reliability and compliance with coding standards (SonarQube).
- **Owned end-to-end backend development of the “Upfront Payment” API**, delivering a key customer-facing feature as part of the initial release for **Japan (primary market)**, ensuring seamless integration within the Order Capture workflow.
- **Led code reviews** (100+), mentored peers, and enforced best practices, strengthening overall team delivery.

BRILLIO TECHNOLOGIES | PRODUCT ENGINEER

Bangalore, India | Aug 2021 – Mar 2022

- **Engineered backend features** for a Java-based web application, improving performance by **20%** and reducing response times by **15%**.
- **Collaborated cross-functionally** with designers and product managers to ship high-quality features that improved customer satisfaction.

EDUCATION

Visvesvaraya Technological University
B.E COMPUTER SCIENCE AND ENGINEERING

Bangalore, India | Jul 2021

SKILLS

- **Programming Languages** - Java, Python
- **Technologies & Tools** - Spring Boot, Microservices, REST APIs, SQL, Couchbase, Kafka, Docker, Kubernetes, Jenkins, GCP, Cursor, Claude, Postman, IntelliJ IDEA
- **Core Competencies** - System Design & Architecture, Distributed Systems, API Design & Governance, Data Modeling, Technical Decision-Making, Product Thinking, Cross-Functional Collaboration, Agile Development, Object-Oriented Design, Data Structures & Algorithms
- **Spoken Languages** - English, Kannada, Telugu, Hindi