

Bharat Arora

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Summary

Senior backend engineer with 6+ years of experience building high-scale distributed systems, event-driven architectures, and subscription platforms. Proficient in Java, Spring Boot, and AWS with a track record of leading cross-functional initiatives and delivering measurable business impact.

Experience

Amazon India (Software Development Engineer II)

Oct 2021 – Present

- Led a team of 3 SDEs to grow prime retention sign-ups by 4x (from 500 to 2,000 daily) by launching the **Prime stack plan and auto-renew upsell** on high-TPS surfaces (Amazon homepage), driving ~ 620K incremental sign-ups/year and ~ 6M annual revenue impact.
- Designed and built a **communication channel agnostic prime notification scheduler**, orchestrating ~ 150K notifications/day and driving ~ 1.2K – 1.5K sign-ups per day.
- Owned **cross-region infrastructure migration** of prime tier-2 service as part of ongoing Worldwide (WW) Amazon initiative to reduce regional load, delivered within 3-week deadline.
- Proposed and led a **cross-org convergence initiative** to align IN and WW Prime retention architectures, defining the leadership-approved roadmap for a **pluggable marketplace solution** that enables future WW launches in India without marketplace-specific customizations.
- Enabled **device-based card tokenization for INPrime** to comply with RBI mandate, redesigning prime plan buying journey for new users and migrating ~ 4 – 5M existing customers through collaboration with BillDesk and Amazon Payments teams.
- Led architecture and implementation of **Standing Instruction to E-Mandate migration** for India Prime recurring charges, achieving RBI compliance, enhancing user experience, and delivering ~ 4% uplift in charge success rates.
- Supported team growth by driving **25+ SDE interviews, mentoring multiple interns, and onboarding** new engineers to ensure smooth integration and sustained delivery velocity.

Goldman Sachs (Technology Analyst)

Jul 2019 – Oct 2021

- Led end-to-end integration of SAP Concur with Goldman Sachs reimbursement system, including building **Spring Batch-based processing adapter** for merchants without native Concur integration.
- Implemented core modules for **Goldman Sachs Electronic Trading (GSET)** platform during transition from C++ to GC-free Java stack, delivering ~ 10% faster execution and shortened release cycles.

Samsung R&D Center (Software Development Intern)

Jan 2019 – June 2019

- Implemented **remote monitoring and control** for IoT-enabled doors in **Samsung SmartThings**, achieving > 80% test coverage using ExpressJS, Mocha, Mongoose, and Node.js.

Education

BITS Pilani, K.K Birla Goa Campus

August 2014 - June 2019

M.Sc. (Hons) Economics and B.E.(Hons) Computer Science

(GPA) 8.00 / 10.00

Technical Skills

Languages & Frameworks: Java, C++, JavaScript, Spring Boot, Node.js, MySQL, RESTful APIs

Tools & Technologies: Docker, Kafka, Git, Maven/Gradle, AWS (Lambda, SNS, SQS, DynamoDB, CloudWatch, S3, ALB/NLB, API Gateway, CDK)

Concepts: Distributed Systems, Microservices, Event-Driven Architecture, Concurrency, High-TPS & Low-Latency Systems, Scalability, Fault Tolerance, Asynchronous Processing, Load Balancing