Bharat Arora

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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*

Experience

Amazon India (Software Development Engineer II)   *Oct 2021 – Present*

- Grew prime plan stacking sign-ups to 4× (500 → 2,000/day) by **launching prime stack plan offer** on high-TPS locations (e.g. amazon homepage) targeted to users near to their plan expiry, driving $\sim 620K$ incremental signups/year and $\sim 6M$ annual impact in revenue.
- Designed and built a communication channel agnostic **prime notification scheduler**, orchestrating $\sim 150K$ notifications/day and driving $\sim 1.2 - 1.5K$ sign-ups per day.
- Owned the **cross region infrastructure migration** of prime tier-2 service as part of on-going WW amazon initiative to reduce load on a given region on a 3-week deadline.
- Enabled device-based **card tokenisation for INPrime** to comply with RBI mandate, which involved re-designing the prime plan buying journey for new users and rescuing $\sim 4 - 5M$ existing customers by collaborating with BillDesk and amazon payments teams.
- Drove a $\sim 3\%$ improvement in subscription charge success rate by launching a **charge monitoring dashboards** that provided critical failure insights and enabled targeted fixes with partner teams.
- Led the architecture and implementation of migration from **Standing Instruction to E-Mandate** recurring charge for India Prime which resulted in RBI compliance, enhanced user experience and a notable $\sim 4\%$ uplift in charge success rates.
- Launched **update payment method** experience on high-TPS locations (e.g. amazon homepage) for renewal charge failure and customer whose auto renew is off, lowering involuntary churn of $\sim 80K$ members annually.

Goldman Sachs (Technology Analyst)   *Jul 2019 – Oct 2021*

- Led end-to-end integration of SAP Concur with Goldman Sachs reimbursement system, including building a Spring Batch–based processing adapter for merchant without native integration with Concur.
- Implemented core modules for Goldman Sachs' Electronic Trading (GSET) platform as it transitioned from C++ to a GC-free Java stack, delivering $\sim 10\%$ faster execution and shortening 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.

Technical Skills

Languages & Frameworks: Java, C++, JavaScript, Spring Boot, Nodejs

Tools & Technologies: Docker, Kafka, Maven, Gradle, Git, MySQL, DynamoDB, AWS (Fundamentals), AWS CDK

Concepts: REST API Development, OOP, TDD, Design Patterns

Publications

Acceptance of conference paper titled **Microbenchmarking Tesla K20 GPU for estimating execution time of a CUDA program**, in HiPC 2017 India.