

VIPUL POPLI

Bengaluru Karnataka | 9646267534 | popli.vipul080@gmail.com | WWW: [Bold Profile](#)

Summary

Dynamic software engineer with extensive experience at Cleartrip Pvt Ltd. and First Club Pvt Ltd., specializing in scalable backend systems and AI-driven solutions. Proven track record in leading teams, enhancing system performance, and implementing robust architectures using Java and Spring Boot. Adept at fostering collaboration and driving innovation in fast-paced environments.

Skills

- Java
- SQL
- NoSQL
- JavaScript
- Python
- Modern Systems Programming++
- C
- Spring Boot
- JUnit
- Kafka
- RESTful APIs
- Git
- Docker
- AWS
- Redis
- Database Scalability
- Real-time Analytics
- Frontend Development

Experience

- SDE 4**
First Club Pvt Ltd.

09/2025 to Current
Bengaluru, IN

 - Architected and managed the end-to-end backend system, re-engineering it for scalability to support the organization's growing operational and strategic demands.
 - Designed and deployed multiple AI-driven systems, including **FC-GPT** and **Friday** — an intelligent chatbot purpose-built to assist CX agents with real-time query resolution.
 - Built and integrated the **MCP (Model Context Protocol) server** for First Club, enabling seamless AI-powered interactions across the platform.
 - Diagnosed and resolved critical scalability and latency bottlenecks rooted in legacy architecture, resulting in measurable improvements to system performance and reliability.
 - Led a team of **5 engineers**, establishing coding standards and review practices centered on clean, maintainable, and extensible code to support long-term product growth.
- Senior SDE**
First Club Pvt Ltd.

01/2025 to 09/2025
Bengaluru, India

 - Built a flexible cart system with validations like inventory checks, order limits, and real-time pricing.
 - Designed a modular checkout system for address validation, delivery slot selection, and payment orchestration.
 - Developed a rule-based pricing engine enabling dynamic markups and markdowns.
 - Built a BFF service to dynamically render pages based on user context.
 - Engineered a secure, pluggable payments infrastructure with fallback and idempotency.
 - Created an internal wallet system with FCFS expiry-based deduction and balance reservation logic.
- SDE III**
Cleartrip Pvt Ltd. (Flipkart Group)

04/2024 to 01/2025
Bengaluru, India

 - Revamped Inventory Management System using OpenL Tablets to manage fare rules and optimize caching.
 - Migrated Redis to Aerospike to reduce costs while ensuring performance parity.
- SDE II**

10/2022 to 03/2024

Cleartrip Pvt Ltd. (Flipkart Group)**Bengaluru, India**

- Developed Distribution Core handling fare markups, filtering, splitting, and personalization logic.

SDE I**03/2020 to 09/2022****Cleartrip Pvt Ltd. (Flipkart Group)****Bengaluru, India**

- Designed and implemented a real-time inventory management system using analytics-powered expiry logic.

SDE Intern**02/2019 to 02/2020****Cleartrip Pvt Ltd. (Flipkart Group)****Bengaluru, India**

- Migrated airline supplier integrations (e.g., INDIGO, SPICEJET) to microservices and onboarded new partners.

Education

B.Tech: Computer Science and Engineering**01/2020**

Chitkara University

Punjab, India

GPA: 9.6 CGPA

Senior Secondary: Science**01/2016**

Patel Public School

Punjab, India

Secondary**01/2014**

Patel Public School

Punjab, India

GPA: 9.4 CGPA

Websites, Portfolios, Profiles

- [linkedin.com/in/vipul-popli-74341717b](https://www.linkedin.com/in/vipul-popli-74341717b)
- github.com/vipulpopli7534

Projects

- Wallet & Payment Orchestration, Java, Spring Boot, Kafka, AWS, 2025, Implemented a pluggable, fail-safe payment system supporting retries and fallbacks across gateways. Built a wallet with ledger-based tracking, expiry enforcement, and compliance rules.
- Pricing & Checkout Systems, Java, Spring Boot, Redis, Aurora, 2025, Developed modular services for pricing and checkout supporting dynamic rule evaluation and high resilience.