

Bhavy Yadav

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Education

Indian Institute of Technology, Delhi

New Delhi, IN

2019–2023

Bachelor of Technology, Fiber Science and Nanotechnology

Captain, Badminton IIT Delhi: Led the badminton team to win a gold medal at the state level and the GC of IIT Delhi.

Academic Mentor: Mentored students in engineering drawing, aiding in skill development.

Coordinator, Rendezvous IIT Delhi: Led a team of 35 in executing MoUs with event sponsors and academies, securing access to judges, artists, scholarships, and prizes.

Core Competencies

Java - GoLang - Python - RESTful APIs - Quick Commerce - PostgreSQL - Scylla - Kafka Consumers - Microservices Architecture - Cloud Services - Backend Development - ModSecurity - NGINX - MQTT Broker - Manticore/SphinxQL - Log Analysis - Database Management - Unix Sockets - Web Sockets - GraphQL Parsing - Leadership - Project Management

Professional Experience

Software Development Engineer ([Clickpost](#))

Remote, IN 09/2025 - Present

- **Store Master System (Java):** Architected and implemented a comprehensive store management backend supporting bulk CRUD operations for 1000+ stores, carrier mappings, and geolocation validation using Haversine distance calculations for hyper-local delivery (HLD) networks.
- **Serviceability & ETA Dashboard (Java):** Designed RESTful APIs for configuring polygon-based delivery serviceability and ETA configurations, enabling enterprises to manage carrier-wise delivery radius and time estimates across multiple stores.
- **Shipment Analytics Pipeline (Java + Python):** Built the `upsertShipmentAnalyticsSummary` tracking API and developed Python consumers for high-throughput bulk data ingestion, processing shipment analytics for quick commerce deliveries.
- **PLP Delivery Options API (Java):** Developed Product Listing Page serviceability API integrating hyper-local ETA calculations with pincode-based delivery serviceability, supporting real-time delivery option display for e-commerce platforms like ARVIND.
- **Python Integration Layer:** Created Python wrappers and Kafka consumers for bulk store/serviceability operations, enabling seamless data synchronization between microservices and reducing manual API calls by 85%.

Software Development Engineer ([WiJungle](#))

Gurugram, IN 07/2023 - 04/2025

- **GraphQL Parser Development (c++):** Implemented a C++ GraphQL parser integrated with ModSecurity as an adaptive module, reducing parsing latency by 40% and maintaining robust data integrity.
- **DDoS Protection System (Go):** Engineered a Go-based backend for a DDoS protection platform, enhancing security policies and rule enforcement. Boosted detection speed by 35% and minimized downtime by 60%.
- **Log Analysis System (Go + Unix Sockets):** Designed a log analyzer to convert diverse logs into JSON, transmit via UNIX sockets to Manticore, reducing log processing time by 80% and enabling detailed graph analysis for system insights.
- **Web Application Firewall (Modsecurity + Go):** Spearheaded the integration of advanced security measures, managing security for 50+ client websites and reducing security breaches by 25% through customized ModSecurity rules and threat monitoring.
- **Router Configuration Automation (Go + MQTT):** Automated router configuration updates, reducing manual intervention by 70% through efficient CRUD operations and MQTT policy updates.
- **Anti-APT Defense System (Go):** Devised an Anti-APT system to scan requests and detect malicious activities, reducing advanced persistent threats by 65%.
- **ICAP Server (Go + Squid):** Built an ICAP server using Squid, handling over 100,000 HTTP/HTTPS requests daily, assessing file safety and enforcing policy rules.

Achievements

- **Team Lead, WiJungle:** Directed a team of 3 in configuring 20+ routers, improving network uptime by 15% and reducing latency by 10%.
- **Product Owner, WiJungle:** Directed a cross-functional team of 7 in the end-to-end development and successful deployment of the Web Application Firewall (WAF) project.
- **National Science Olympiad:** Received certificate of distinction, ranked 599 internationally.
- **International Mathematical Olympiad:** Ranked in the top 2.5% and awarded a certificate for excellent performance.