

Bhavy Yadav

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Professional Summary

Backend Software Engineer with 2.5+ years of experience building high-performance distributed systems in GoLang, Java, and Python, seeking backend/platform roles focused on scalability, reliability, and security.

Education

Indian Institute of Technology Delhi

New Delhi, India

Bachelor of Technology in Fiber Science and Nanotechnology

2019 – 2023

- **Leadership & Mentorship:** Academic mentor and event coordinator, leading cross-functional teams of 35 members.

Skills

- **Programming Languages:** Go, Java, Python, C++
- **Backend Technologies:** REST APIs, GraphQL, Microservices Architecture, System Design
- **Messaging Systems:** Kafka, MQTT
- **Databases & Search:** PostgreSQL, ScyllaDB, Manticore Search
- **Security Systems:** Web Application Firewall (WAF), ModSecurity, DDoS Protection, ICAP
- **Infrastructure & Tools:** NGINX, Squid, Unix Sockets, WebSockets, Cloud Services(AWS/Azure), CI/CD
- **Methodologies:** Agile, Scrum, Team Leadership

Professional Experience

Clickpost

Remote, India

Software Development Engineer (Backend)

September 2025 – Present

Designed scalable, high-availability microservices and distributed systems supporting hyper-local deliveries.

- **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 and 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 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 options platforms like ARVIND.
- **Python Integration Layer:** Created Python wrappers and Kafka consumers for bulk store and serviceability operations, enabling seamless data synchronization between microservices and cutting manual API calls by 85%.

WiJungle

Gurugram, India

Software Development Engineer (Backend Systems)

July 2023 – August 2025

Built high-performance, low-latency security systems with a focus on scalability and performance optimization.

- **GraphQL Parser Development (C++):** Implemented a C++ GraphQL parser integrated with ModSecurity as an adaptive module, cutting 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. Improved detection speed by 35% and lowered 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, accelerating log processing 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 lessen security breaches by 25% through customized ModSecurity rules and threat monitoring.
- **Router Configuration Automation (Go, MQTT):** Automated router configuration updates, decreasing manual intervention by 70% through efficient CRUD operations and MQTT policy updates.
- **ICAP Server (Go, Squid):** Built a Go-based ICAP server integrated with Squid, processing 100k+ HTTP/HTTPS requests daily for real-time file inspection and policy enforcement.

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:** Led end-to-end development of an enterprise-grade Web Application Firewall (WAF).