

# Harshit Singh

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## Education

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**Guru Gobind Singh Indraprastha University**, B.Tech. in Computer Science  
CGPA: 8.5

Sept 2019 – June 2022

## Experience

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**Full-Stack Software Developer**, PRP Services – Delhi, India

June 2022 – till date

- Designed and developed full-stack applications using **Angular**, **React.js**, **Node.js**, **ASP.NET Core**, and **Golang**.
- Built **microservices** with Golang and implemented message queuing using Redis for optimized backend performance.
- Collaborated with cross-functional teams and **mentored** junior developers on coding best practices and **debugging strategies**.

## Projects

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### RCS Application

- **Description:** Developed a Rich Communication Services (RCS) application enabling advanced messaging features like multimedia sharing and read receipts.
- **Performance Enhancements:** Optimized backend with Golang concurrency patterns for high throughput.
- **Technologies:** React.js, Go (Golang).

### Bulk SMS Platform

- **Description:** Built a scalable SMS platform supporting bulk message for promotional campaign, notifications, alerts.
- **Performance Enhancements:** Designed **Golang microservices** for modularity and scalability. Leveraged **Redis** for message queuing to the Kannel and integrated it for real-time message delivery and Lua for optimized script execution.
- **Technologies:** Golang, Angular, Redis, Lua Scripts.

### WhatsApp API Integration

- **Description:** Implemented a system to send promotional messages via WhatsApp by integrating business tools with WhatsApp APIs.
- **Performance Enhancements:** Implemented backend in **Node.js** with **MongoDB**, integrated APIs, and designed the frontend in **Angular**.
- **Technologies:** Node.js, Angular, MongoDB.

### Interactive Voice Response (IVR) System

- **Description:** Developed an IVR system with features like call routing, call recording, advanced analytics, and automated responses for efficient customer interaction.
- **Performance Enhancements:** Designed a scalable backend using ASP.NET, optimized database queries with MySQL, and implemented efficient call routing mechanisms to reduce response time and improve reliability.
- **Technologies:** ASP.NET, Angular, MySQL.

## Technologies

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**Languages:** JavaScript, Typescript, Golang (Go), SQL, MongoDB

**Technologies:** Node.js, Express, Microservices, Redis, Lua Script, Microsoft SQL Server, Docker, GitHub, Linux