

Harsh Goyal

Full Stack Engineer | AI & Cloud Solutions Specialist Surat, Gujarat | +91 7046604163 | imharsh098@gmail.com | [GitHub](#)

Summary

Innovative Full Stack Engineer with 3+ years of experience crafting cutting-edge web solutions for startups. Proven track record of developing scalable, multi-lingual applications with advanced AI integrations, cloud deployments, and performance-optimized architectures. Expert in transforming complex technical challenges into elegant, user-centric solutions.

Professional Experience

[SoftwareHub](#) | **Senior Full Stack Engineer** | Dubai, UAE (07/2022 – Present)

Platform Development & Innovation

- Architected and migrated complex web platform from Angular to Next.js and React.js, enhancing performance and developer efficiency
- Designed an AI-powered chatbot using RAG model and Langchain, delivering personalized software recommendations
- Implemented microservices architecture with Redis caching, improving backend response times by 40%
- Engineered an interactive user activity tracking system and developed a comprehensive business intelligence dashboard, leveraging data visualization techniques to provide actionable insights into platform performance and user engagement.
- Developed comprehensive backend services using a multi-database model with MongoDB and Node.js
- Implemented robust MVC architecture with service, controller, and DTO-based design patterns
- Created scalable backend infrastructure with modular and maintainable code structure
- Developed comprehensive cloud infrastructure using AWS (EC2, S3, Route 53) with robust deployment strategies

Innovative Projects & Technical Achievements

AI Voice Calling Agent

- Developed multilingual (English and Arabic) AI-powered voice calling solution

Dynamic Email Service Platform

- Created full-featured email service with admin-controlled dynamic email templating
- Built sophisticated email queuing system for scheduled, region-specific communications
- Implemented granular admin controls for template management and subscriber targeting

Advanced Payment Module

- Designed flexible payment system supporting monthly recurring billing
- Integrated comprehensive coupon and discount management module - Developed dynamic, region-specific pricing and content delivery APIs

Technical Skills

Languages & Frameworks: JavaScript, TypeScript, Node.js, Express.js, React.js, Next.js, Angular, Python, MongoDB

Cloud & DevOps: AWS (EC2, S3, Elastic Beanstalk), Google Cloud Platform

Databases & Caching: MongoDB, Redis

AI & Advanced Technologies: Langchain, AI Integration

Additional Expertise: Microservices, RESTful APIs, OAuth 2.0, Socket.IO, System Design, Performance Optimization

Education

Chandigarh University, Punjab **B.E (Mechatronics), 2021** | Gold Medalist | CGPA: 8.71

Divine Child High School, Gujarat (Higher Secondary),2017

Languages

- English (Fluent)
- Hindi (Native)
- German (Conversational)

Core Competencies

- Startup-Friendly Technology Solutions
- Rapid Prototyping
- Cross-Functional Collaboration
- AI-Driven Product Development
- Scalable Cloud Architecture
- Multilingual Application Design