

# AMIT SINGH

## Full-Stack Developer | Generative AI Integration Specialist

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### PROFESSIONAL SUMMARY

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Results-driven Full-Stack Developer with 4+ years of experience designing, building, and deploying scalable web applications powered by Generative AI. Skilled in modern backend technologies (NestJS, Node.js, Python) and frontend frameworks (React, Nextjs, TypeScript).

Proven track record of delivering high-impact features for global SaaS platforms, architecting RESTful APIs, implementing microservices, and integrating OpenAI/GenAI models to build intelligent applications.

### PROFESSIONAL EXPERIENCE

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#### Full-Stack Developer

*Simply Jet*

08/2022 – Present  
Gurugram, Haryana,  
India | Remote

- Backend Architecture & API Development: Designed and implemented scalable RESTful APIs and microservices using NestJS with TypeScript, serving high-traffic production environments.

Optimized PostgreSQL database queries and schemas, reducing query latency by implementing indexing strategies and query optimization techniques.

- Generative AI Integration: Integrated OpenAI APIs and advanced LLM models to build intelligent, GenAI-powered features that streamlined business processes and enhanced user experiences. Architected end-to-end AI-powered solutions with prompt engineering and model optimization.
- Frontend Development: Developed responsive, feature-rich frontend interfaces leveraging React.js and Next.js with TypeScript, implementing best practices for performance, accessibility, and user experience across multiple projects.
- Cross-Functional Collaboration: Collaborated with product managers, UI/UX designers, and backend teams using Agile/Scrum methodologies to deliver high-impact features on schedule.

Participated in code reviews, architecture discussions, and technical planning sessions to maintain code quality standards.

- Version Control & Deployment: Leveraged Git and GitHub for version control, managed pull requests, and participated in continuous integration/deployment pipelines to ensure reliable production releases.
- Technologies Used: NestJS, Node.js, Next.js, React.js, TypeScript, PostgreSQL, Docker, OpenAI APIs, Git Scrum

#### Full-Stack Developer

*Krishav Infotech Pvt Ltd*

06/2021 – 08/2022  
Chas, Jharkhand,  
India | On-site

- Full-Stack Web Application Development: Developed end-to-end web applications using Python, Django, FastAPI, and Flask, implementing complete database design with PostgreSQL for complex data requirements and optimized performance.
- Frontend Implementation: Built responsive, cross-browser compatible frontend interfaces using React.js, HTML5, CSS3, and JavaScript ensuring seamless user experiences across desktop and mobile platforms.
- Collaborative Development: Worked closely with project teams and clients to deliver projects within tight deadlines while maintaining high quality standards and meeting detailed client specifications.
- Testing & Deployment: Participated in comprehensive testing, debugging, and deployment of web applications in production environments, ensuring stability and reliability.
- Technologies Used: Python, Django, FastAPI, Flask, React.js, PostgreSQL, HTML5, CSS3, JavaScript

### EDUCATION

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#### Bachelor of Technology (BTech)-Computer Science

*Guru Gobind Singh Educational Society's Technical Campus, Chas*

2017 – 2021

## CORE TECHNICAL SKILLS

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### Backend Development

NestJS | Node.js | Python | Django | FastAPI | Flask | PostgreSQL | Database Optimization | Microservices Architecture | RESTful API Design | System Design

### Frontend Development

React.js | Next.js | TypeScript | JavaScript | HTML5 | CSS3 | Responsive UI/UX | Performance Optimization

### Generative AI & ML

OpenAI API Integration | LLM Integration | GenAI-Powered Solutions | AI Model Integration | Prompt Engineering

### DevOps & Infrastructure

Docker | Docker Compose | Git/GitHub | Version Control | CI/CD Practices | Code Review Processes | Production Deployment

### Additional Technologies

PHP Laravel | WordPress React.js | C (Programming Language)

### Methodologies

Agile/Scrum | Cross-functional Collaboration | Code Quality Standards | Full-Stack Development | Technical Leadership

## KEY ACHIEVEMENTS

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### GenAI-Powered Solutions

Successfully integrated OpenAI APIs and advanced LLM models into 3+ production applications, enabling intelligent automation and enhancing user engagement by leveraging cutting-edge AI technologies

### Scalable Microservices Architecture

Architected and deployed microservices-based solutions using NestJS and PostgreSQL, improving system reliability and enabling independent scaling of services.

### Performance Optimization

Optimized database queries and application performance through strategic indexing and code refactoring, resulting in measurable improvements in response times and user experience.

### Cross-Functional Leadership

Demonstrated ability to lead technical discussions, mentor junior developers, and drive architectural decisions in collaborative, Agile environments with 15+ team members.

### 3-Year Tenure at Simply Jet

Evolved from Backend Developer role to Full-Stack Developer, contributing to company growth and being trusted with strategic AI integration projects

## ADDITIONAL INFORMATION

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- Professional Development: Actively pursuing expertise in emerging Generative AI technologies and advanced full-stack development practices
- Open to Work: Full-time and Contract positions in Remote, Hybrid, or On-site settings Target Markets: India, USA, Europe, Singapore, Canada
- Languages: English (Fluent)

## TECHNICAL COMPETENCIES

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### Languages

TypeScript | JavaScript | Python | PHP | C

### Frontend Frameworks

React.js | Next.js | Svelte

### DevOps & Tools

Docker | Git | GitHub | CI/CD | Version Control

### Architecture & Design

Microservices | RESTful APIs | System Design  
Scalable Architecture

### Backend Frameworks

NestJS | Node.js | Django | FastAPI | Flask | Laravel

### Databases

PostgreSQL | Database Design | Query Optimization

### AI/ML

OpenAI API | LLM Integration | GenAI Solutions |  
Prompt Engineering

### Methodologies

Agile | Scrum | Code Review Best Practices Full-  
Stack Development