Rushabh Gandhi

Chicago, IL | Willing to Relocate | (312) 998-2997 | rushabh@rushabh.tech | linkedin.com/in/rushabhgandhi9 | www.rushabh.tech

SUMMARY

Results-driven professional with 2+ years of experience in Software Engineering and over 6 years of combined academic and project-based exposure in Computer Science. Focused on architecting and building scalable and high-performance applications.

EDUCATION

Master of Computer Science   **August 2023 - May 2025**

Illinois Institute of Technology, Chicago, IL | GPA - 3.6

- Enterprise Web Application, Advance Database Organization, Science of Programming, , Information Security, Big Data

Bachelor of Technology in Computer Science   **August 2018 - July 2022**

Walchand Institute of Technology | GPA - 3.7

- Object Oriented Concepts, Software Development, Data Structures and Algo, Web Technology, Modern Database Systems

PROFESSIONAL EXPERIENCE

Teaching Assistant - Operating Systems

Illinois Institute of Technology   **August 2024 – May 2025**

- Developed Python automation scripts utilizing OS and Subprocess modules for Git and OS operations, reducing grading time by 50%.
- Integrated automated evaluation workflows into course infrastructure, collaborating with Professor Ghanei to design grading scripts.

AI Engineering Intern

Reality AI   **June 2024 - August 2024**

- Architected a Python backend to orchestrate interactions between educational content and LLMs, improving response speed by 40%.
- Boosted user engagement by 15% through tailored prompt-crafting techniques that optimized language model performance.

Systems Engineer

Infosys Ltd   **August 2022 - April 2023**

- Developed backend microservices with Python (Django, FastAPI) and implemented Redis caching, reducing response latency by 20%.
- Implemented RESTful APIs integrated with PostgreSQL, delivering 25% database query performance through query optimization.
- Deployed scalable, containerized applications via Docker on AWS EC2, leveraging cloud storage (AWS S3, DynamoDB) efficiently.
- Participated actively in daily Agile/Scrum meetings and sprint planning, ensuring module scalability aligned with customer needs.
- Automated CI/CD build and deployment pipelines using Jenkins and Git, reducing build failures and accelerating release cycles.

Software Engineer

Result Series   **June 2021 - July 2022**

- Architected robust full-stack applications utilizing Java, Spring Boot, React.js, and TypeScript, delivering responsive user interfaces.
- Optimized relational database schemas using MySQL, improving data retrieval performance and query efficiency by 25%.
- Streamlined build and deployment processes via CI/CD pipelines using GitHub Actions, reducing manual intervention by 40%.
- Collaborated with clients, gathering feedback to refine features, achieving customer satisfaction and improved usability by 30%.

Software Engineer - Freelance

Freelance   **December 2020 - May 2021**

- Delivered custom web applications for small clients using Python, JavaScript, and Firebase, integrating third-party APIs.
- Translated client requirements into scalable technical solutions by designing responsive UIs and optimizing performance.

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript, C#, C++

Frameworks & Libraries: React.js, Next.js, Spring Boot, Django, FastAPI, Node.js, Tailwind CSS, HTML5

Databases & Storage: MySQL, PostgreSQL, Firebase (Realtime DB, Firestore), Redis

DevOps & Cloud: AWS (EC2, S3, DynamoDB), CI/CD, Git, Docker, Jenkins, GitHub Actions, Netlify, Vercel

Tools & Platforms: Linux, Windows, GitHub, JIRA, Visual Studio Code, Postman

Concepts: REST APIs, Microservices, Agile/Scrum, OOPs, Data Structures & Algorithms, System Design, Design Patterns

PROJECTS

Grade Book - www.graderbook.com - Demonstration Video   **August 2024 - May 2025**

- Acquired over 600 active users, implemented using React.js, Next.js, TypeScript, Tailwind CSS and Firebase Realtime Database.
- Built a comprehensive grading tool enabling students and instructors to calculate, track, and share grades with weighted averages.

AI-Powered Health & Fitness Platform   **January 2025 - April 2025**

- Engineered an AI-driven personalized wellness system leveraging Gemini API to generate personalized fitness & nutrition plans.
- Built using React with TypeScript frontend, FastAPI backend, and PostgreSQL database. Scalable with IOT devices.

Helping Hands   **September 2021 - March 2022**

- Created an innovative platform leveraging JavaScript, HTML, CSS, Firebase Authentication, and Form Spree API integration.
- Connected needy individuals with social service professionals through a technological platform, bridging gaps and improving access.