Rushabh Gandhi

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SUMMARY

Detail-oriented Software Engineer with 4 years of experience in Python, IAM systems, and REST API development for secure applications. Proven track record of delivering scalable identity and access management solutions in Agile environments.

PROFESSIONAL EXPERIENCE

Software Developer   Aug 2024 – May 2025
Illinois Institute of Technology

• Designed and implemented IAM features using Python and Flask for secure university web services used by 10k+ users.
• Developed REST APIs integrated with SQL databases and OAuth2 for secure student and staff authentication workflows.
• Led containerization using Docker and deployed applications via CI/CD pipelines with Jenkins and GitHub Actions.
• Collaborated with academic teams to document identity management processes and maintain robust access control systems.

Systems Engineer   Aug 2022 – Apr 2023
Infosys Ltd

• Integrated SAML-based SSO into enterprise applications, improving login security and reducing user support tickets by 20%.
• Maintained PostgreSQL databases for authentication modules and improved query efficiency through indexing and optimization.
• Participated in agile ceremonies, sprint planning, and technical grooming sessions focused on IAM and access governance.
• Built Python scripts to automate credential rotation and security audits for clients in regulated environments.
• Supported internal teams with documentation and troubleshooting for role-based access controls and login token flows.

Software Engineer   Jun 2021 – Jul 2022
Result Series

• Built secure web applications using Django and MySQL for education platforms managing sensitive academic user data.
• Developed and documented robust RESTful APIs and implemented secure login with JWT tokens and OAuth2 providers.
• Contributed to CI/CD workflows with Jenkins and pytest to ensure stable and secure code deployments.
• Worked on cross-functional teams to improve front-end authentication workflows using JavaScript, HTML, and CSS.

Software Engineer - Freelance   Dec 2020 – May 2021
Freelance

• 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, Bash, JavaScript, HTML, CSS, SQL, Shell scripting
Web & API Development: RESTful APIs, Flask, Django, OAuth2, SAML, JWT, OpenID Connect
Identity & Access Management: IAM Architecture, Single Sign-On (SSO), Role-Based Access Control, Authentication Protocols
Tools & Frameworks: Jenkins, Docker, Git, GitHub Actions, Pytest, Agile (Scrum)
Database Technologies: PostgreSQL, MySQL, SQLite, Query Optimization, Database Security
Cloud & DevOps: Containerization, CI/CD, Kubernetes (basic), Linux Environments

EDUCATION

Master of Computer Science   Aug 2023 – May 2025
Illinois Institute of Technology, Chicago, IL | GPA: 3.6

• Enterprise Web Application, Advanced Database Organization, Science of Programming, Information Security, Big Data

Bachelor of Technology in Computer Science   Aug 2018 – Jul 2022
Walchand Institute of Technology | GPA: 3.7

• Object Oriented Concepts, Software Development, Data Structures and Algorithms, Web Technology, Modern Database Systems

PROJECTS

Grade Book - Graderbook.com | Demonstration Video   Aug 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.
• Designed a dynamic grading hierarchy system supporting nested assessments, enabling modeling of complex grading structures.

AI-Powered Health & Fitness Platform   Jan 2025 – Apr 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   Sep 2021 – Mar 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.
• Adopted by non-profit organizations to streamline outreach efforts, demonstrating reals impact in improving community support.