RAHUL N

Full Stack Software Engineer | Python · FastAPI · JavaScript · React · REST APIs
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PROFESSIONAL SUMMARY

Early-career Full Stack Software Engineer with hands-on experience building web applications, REST APIs, and database-driven business tools. Proficient in Python/FastAPI backend development and JavaScript/React frontend development, with practical exposure to PostgreSQL, MongoDB, Docker, and cloud fundamentals (AWS, Azure). Delivered a measurable 25% reduction in API response latency at PyGenicArc through targeted query and pipeline optimisation. Experienced in API integrations, input validation, secure coding practices, testing, and debugging across the full stack.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML5, CSS3
Frontend: React, JavaScript (ES6+), HTML5, CSS3, Responsive Design
Backend: FastAPI, Python, REST API Design, Input Validation, Exception Handling
Databases: PostgreSQL, MongoDB, SQL, Query Optimisation
Tools: Git, GitHub, Docker, Postman, VS Code
Cloud & DevOps: AWS (EC2, S3), Microsoft Azure, CI/CD pipelines
Security: API Security, Input Validation, Secure Coding, Content Moderation, Logging

PROFESSIONAL EXPERIENCE

Software Engineer (Consultant) · Skill Check Hub IT-Services Pvt. Ltd.

March 2026 – Present | Bengaluru

- Develop and maintain web applications and websites, delivering frontend and backend features across the full stack.
- Integrate REST APIs and databases to connect business workflows with application layers.
- Test, debug, and optimize applications for performance, reliability, and correctness.
- Contribute to end-to-end feature development, including implementation, testing, debugging, and deployment.

Python Backend Developer Intern · PyGenicArc

February 2026 – May 2026 | Bengaluru

- Optimised PostgreSQL queries and FastAPI request pipelines, reducing average API response latency by ~25% across production endpoints.
- Built RESTful APIs in Python/FastAPI with robust input validation, schema enforcement, and exception handling, reducing runtime failures in integration testing.
- Diagnosed and resolved 15+ issues spanning API routing, database operations, and schema validation during live development cycles.
- Contributed to modular service architecture and reusable component design; maintained clean Git-based workflows across the team.

AI/ML Intern · UptoSkills

December 2025 – March 2026 | Bengaluru

- Built FastAPI backend infrastructure for a real-time AI chatbot platform handling NLP-driven conversational workflows.
- Implemented automated content moderation logic and managed end-to-end API lifecycle including request routing, validation, and error handling.
- Integrated local LLM inference pipeline, eliminating dependency on external paid AI APIs.

SELECTED PROJECTS

VishwaArpana Havihi — Full-stack monorepo web application with Dockerized multi-service architecture
Stack: *Python · FastAPI · JavaScript · React · PostgreSQL · Docker · REST APIs · Git*

- Architected a full-stack monorepo with dedicated frontend/, backend/, apps/, packages/, and tests/ directories, enforcing clear separation of concerns and reusable component design.
- Configured multi-container Docker environment (docker-compose.yml) to orchestrate frontend and backend services for consistent local and CI/CD development.
- Maintained code quality through ESLint, Prettier, and structured test suites; implemented environment-based configuration for secure secrets management.

HRMS – Human Resource Management System — Full-stack business application for employee lifecycle, attendance, and payroll
Stack: *Full Stack · Database Design · REST APIs · Frontend UI*

- Designed and built a comprehensive HRMS covering employee data management, automated attendance tracking, and payroll calculations via a database-backed REST API.
- Delivered a frontend dashboard for HR operations, providing centralised access to employee records and reducing manual processing overhead.

Pharmacy Management System — Full-stack inventory, billing, and prescription management system

Stack: *Full Stack · Database · POS Interface · Inventory Management*

- Built a POS interface integrated with a relational inventory database, enabling real-time stock tracking and automated low-stock alerts to reduce stockouts.
- Implemented prescription tracking and faster billing workflows, improving accuracy and reducing manual errors in pharmacy operations.

Weather Dashboard — Real-time weather monitoring dashboard with third-party API integration

Stack: *JavaScript · HTML5 · CSS3 · REST APIs · Charts*

- Built a responsive dashboard consuming a public weather REST API, displaying real-time conditions with interactive charts and multi-location search.
- Implemented responsive design ensuring cross-device usability; demonstrates practical third-party API integration and frontend data visualisation.

EDUCATION

Master of Computer Applications (MCA) · AMC Engineering College

December 2024 – June 2026 | Bengaluru

Bachelor of Computer Applications (BCA) · National College, Basavanagudi

2021 – 2024 | Bengaluru

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional — Oracle University
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate — Oracle University
- Introduction to Data Science — Professional Development
- Software Engineer – 99th Percentile — LeetCode

PUBLICATION

"Preprocessing Techniques and Their Impact on Predictive Maintenance Accuracy Using AI4I 2020 Data" — AI4I 2020 Workshop | IEEE (Peer-reviewed)