

Shivam Kumar Patel

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Profile Summary

Innovative Backend Web Developer with 2.5+ years of hands-on experience at Infosys Limited as a Senior System Engineer. Demonstrated expertise in crafting efficient, scalable solutions and a strong track record of problem-solving. Seeking to leverage my technical skills and creative approach in a dynamic organization that prioritizes skill development, fosters an inclusive culture, and offers growth in management opportunities. Committed to driving impactful projects and contributing to a collaborative team environment.

EDUCATION

SRMS College of Engineering & Technology | Bareilly
Bachelor of Technology (B.Tech), Electrical & Electronics Engineering | CGPA: 8.3 | June 2018 - May 2022

SKILLS SUMMARY

- **Programming Languages:** Java 8/11, Core Java, JavaScript, CSS, HTML
- **Backend:** Spring Boot, Spring Cloud, Spring Security, Hibernate, RESTful APIs
- **Frontend:** React.js
- **Software Architecture:** Microservices, Monolithic
- **Frameworks:** Spring Boot, Microservices architecture, Eureka Server, API Gateway, Load Balancer, Service Registry
- **API Management:** REST, Restful API's
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Containerization Tools:** Docker, Kubernetes Operations
- **Tools:** Generative AI tools, GitHub, MongoDB compass, ORM, PostgreSQL, postman, SSMS
- **Platforms:** Eclipse IDE, Visual Studio Code, IntelliJ idea
- **Soft Skills:** Documentation, Strong Stakeholder management, People Management, Excellent communication

WORK EXPERIENCE

Senior System Engineer | Infosys Limited | Jan 2025 – Present

- **Multitenancy Implementation:** Designed and implemented multitenancy architecture to support multiple clients on shared infrastructure, improving resource efficiency and tenant-specific data isolation.
- **API Development:** Developed and maintained robust, scalable REST APIs across multiple microservices, enabling seamless communication between distributed components.
- **Security & Vulnerability Management:** Proactively resolved backend vulnerabilities identified through SAST, DAST, and Blackduck scans, ensuring compliance with enterprise security standards.
- **Kubernetes Operations:** Managed containerized applications using Kubernetes, including deploying Docker images, updating Config Maps, handling rolling updates, and troubleshooting pod-level issues.
- **Microservices Architecture:** Contributed to the development and optimization of multiple Java-based microservices using Spring Boot, improving modularity and scalability of the overall system.
- **Agile & Scrum Practices:** Actively participated in Agile ceremonies—daily stand-ups, sprint planning, retrospectives—delivering incremental value in every sprint.

System Engineer| Infosys Limited | Nov 2022 – Dec 2024

- Infosys Certified Training of 6 months on Java Full Stack Development with Core Java, React.js, Spring Boot, MySQL.
- **API Development:** Designed and implemented RESTful APIs using Spring Boot, enabling efficient communication between frontend and backend systems. Focused on creating scalable and secure services to support business functionalities.
- Worked on more than 3+ projects in java spring boot.
- **Microservices Architecture:** Developed and maintained microservices to modularize the application, improving scalability and maintainability.
- **Database Management:** Utilized SQL databases (e.g. MySQL, Neo4j) for data storage, including schema design, query optimization, and data migration.
- **Performance Optimization:** Conducted performance tuning and optimization for backend services. Implemented caching strategies and optimized query performance to reduce latency and enhance system responsiveness.

PROJECTS

Recruitment Portal | Infosys Limited| [Link](#)

Overview: Developed a comprehensive recruitment portal designed to streamline the hiring process for organizations. The portal supports three distinct user profiles: Employee, Manager, and Admin. Each profile has tailored functionalities to facilitate efficient recruitment, onboarding, and management of candidates.

- Implemented backend services using **Spring Boot** to create and manage **RESTful APIs**, ensuring scalability and maintainability of the application.
- Designed and implemented **user authentication** and **registration functionality** with **Spring Security**, including **B Crypt password encryption** and **session management** for secure access.
- Integrated **email notifications** for candidates and recruiters, automating alerts for application submissions, interview scheduling, and password resets.
- Developed advanced **search and filtering functionalities**, allowing managers to filter candidates based on skills, experience, education, and other customizable criteria.
- Enabled **candidate search features**, allowing job seekers to search and filter job openings by keywords, location, salary range, and job type for a personalized experience.
- **Optimized database performance** using **JPA/Hibernate** for efficient data handling, including **pagination** and **sorting** of job listings and candidate data.
- Built **role-based access control (RBAC)** to ensure secure and tailored user experiences across different profiles (Employee, Manager, Admin).

Learning Platform | Infosys Limited

Overview: Contributed to the development of a microservices-based learning platform designed to streamline the process of course creation, content management, trainee assessment, and performance analytics. The platform utilizes a set of microservices, each serving a distinct function for educators and trainees, ensuring a seamless and efficient learning experience.

Key features of the platform include:

- **Training Bank Service (Content and Script Management):** Developed the Training Bank Service, where educators (trainers) can create and manage training scripts using a combination of historical data, recorded media (such as videos and audio files), and uploaded documents. These scripts can then be used to develop course content that is rich and flexible, tailored to the specific needs of the trainees.
- **Simulated Learning Service (Course Creation and Trainee Management):** Implemented the Simulated Learning Service, which enables educators to create courses using the training scripts generated in the Training Bank I Service. Educators can easily add assessments and quizzes within the courses to evaluate trainee progress and performance. This service also provides the ability to track the completion percentage of each course and monitor scores for assignments and quizzes, allowing educators to assess the overall performance of trainees.
- **Course and Performance Tracking:** Integrated tools to track the completion percentage of courses and the scores obtained by trainees on various assessments. This functionality provides educators with clear visibility into trainee progress and helps in identifying areas where additional support may be needed.

Smart Contact Manager | Personal | [Link](#)

Overview: Developed the Smart Contact Manager, a web application designed to efficiently manage and organize contact information. The application provides a user-friendly interface for adding, updating, deleting, and searching contacts, with a focus on seamless interaction and data management

- **Contact Management:** Allows users to create, edit, and delete contact entries, including details such as names, phone numbers, email addresses, and notes.
- **User Interface:** Utilizes Thyme leaf for server-side rendering, providing a dynamic and responsive web experience that adjusts to user interactions
- **Database Integration:** Used JPA (Java Persistence API) for efficient interaction with a relational database, ensuring seamless storage, retrieval, and modification of contact information. Optimized database queries for fast access.

CERTIFICATES

Infosys Certified Java SE8 | [CERTIFICATE](#)

March 2024

- Mastered fundamental Java syntax, proficiently utilizing control flow, loops, functions, and data structures.
- Acquired expertise in procedural programming paradigms and associated logical concepts, enhancing capabilities.

Infosys Certified Spring REST Professional | [CERTIFICATE](#)

June 2024

- Skills: MySQL, Jenkins, REST APIs, HTML5, CSS, Core Java, JavaScript.
 - Implement Rest API and create communication for data transfer between microservices.
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