

# Shakshi Thakur

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## Profile Summary

Dynamic and detail-oriented Node.js Backend Developer with 2+ years of experience, including a 6-month internship, specializing in building robust and scalable backend solutions. Proficient in designing RESTful APIs, implementing secure authentication mechanisms, and managing complex databases like SQL Server, MongoDB, Redis, and MySQL. Adept at delivering innovative solutions for task automation, event management, and user-centric applications.

Collaborative team player with expertise in Node.js, Sails.js, Express.js, JWT authentication, and API development. Skilled in optimizing system performance, debugging production issues, and ensuring system reliability. Passionate about delivering user-focused backend solutions to enhance operational efficiency and user experience.

## Experience

### ASSOCIATE SOFTWARE ENGINEER , BACKEND | SRKAY CONSULTING GROUP | DECEMBER 2022 – PRESENT

At SRKay Consulting Group, I worked as a Node.js Backend Developer on a live project called the Human Capital Information System (HCIS). My responsibilities include:

- Designing and developing scalable backend modules using Node.js, Express.js, and Sails.js.
- Managing and optimizing databases such as SQL Server, MongoDB, and Redis for enhanced performance.
- Developing and integrating RESTful APIs to streamline communication between various system components.
- Collaborating with cross-functional teams to implement features like employee management, leave tracking, and attendance modules.
- Troubleshooting and debugging production issues to ensure smooth operation of the application.
- Leveraging tools like GitHub, GitLab, and Postman to manage version control, deployment, and API testing effectively.
- This experience allowed me to enhance my technical skills and contribute to building a robust HR management solution that improved operational efficiency for the organization.

**Key Skills:** Node.js, JavaScript, SQL Server, Redis, MongoDB, Sails.js, Express.js, MySQL, RESTful APIs, Problem-Solving, Team Collaboration, GIT, Postman

## Projects

### HUMAN RESOURCE INFORMATION SYSTEM

SRKay Consulting Group • [hcis.srk1964.com/signin](https://hcis.srk1964.com/signin) • December 2022 - Present

At SRKay Consulting Group, I contributed as a Node.js Backend Developer on the Human Capital Information System (HCIS) project, an advanced HR management solution. My responsibilities included:

- **Backend Development:**

Designed and implemented key modules such as Login, My Profile, Leave Management, Broadcast, and Survey, using Node.js, Express.js, and Sails.js frameworks.

Developed RESTful APIs for seamless integration across the system, ensuring efficient data flow between modules.

- **Database Management:**

Worked with databases like SQL Server, MySQL, MongoDB, and Redis to store, manage, and retrieve employee data efficiently. Optimized database queries to improve performance and minimize latency.

- **Feature Implementation:**

Automated critical HR processes like Leave Applications, Attendance Tracking, and Visitor Management, reducing manual effort and increasing operational efficiency. Built the Document Management module, allowing employees to securely upload and access documents like pay statements, ID cards, and Form 16.

- **Admin and Security Enhancements:**

Developed a comprehensive Admin Panel for managing user activities, permissions, and system settings. Implemented robust access controls and security features, ensuring data integrity and compliance with organizational policies.

- **Performance Optimization:**

Leveraged Redis caching to enhance system responsiveness and scalability. Debugged and resolved production issues to maintain the smooth functioning of the application.

- **Collaboration and Testing:**

Worked closely with cross-functional teams to integrate new features and ensure seamless functionality. Used tools like Postman for API testing and GitLab/GitHub for version control and CI/CD pipeline management.

Through these contributions, I played a vital role in enhancing the HCIS platform's capabilities, helping the organization streamline HR operations and improve overall efficiency.

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## **TRIP MANAGEMENT SYSTEM**

### **SRKay Consulting Group • May 2023 - Present**

In the Trip Management System project, I worked as a Backend Developer, implementing features to streamline user registration, login, and trip management. My key contributions included:

- **Authentication and Security:**

Designed and implemented a secure login and registration flow using JWT tokens and MPIN-based authentication for app users. Ensured robust access controls to protect user data.

- **User Data Management:**

Developed modules to manage user records, including passport details, visa information, and trip schedules. Automated notifications for upcoming visa expirations, helping users stay updated on critical deadlines.

- **Trip Management:**

Built functionalities to handle users with multiple passports, visas, and trips across different cities. Ensured smooth handling of complex scenarios, such as users having overlapping trips or managing simultaneous trips for multiple cities.

- **Database Optimization:**

Designed and optimized database schemas to store and retrieve user, passport, visa, and trip data efficiently. Used relational databases to model and handle complex relationships between users, visas, passports, and trips.

- **API Development:**

Developed RESTful APIs for trip and user data management, ensuring smooth integration with the frontend application. Used tools like Postman for testing and validating API functionalities.

- **Error Handling and Debugging:**

Implemented robust error-handling mechanisms to ensure system reliability. Debugged and resolved issues related to user data and API integrations.

Through these efforts, I contributed to building a system that allowed users to efficiently manage their trips, passports, visas, and travel schedules, enhancing user experience and operational efficiency.

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## COMPANION-365

**SRKay Consulting Group • December 2022 - May 2024**

In the Companion-365 project, I worked as a Backend Developer, contributing to the development of advanced features for task management and event file handling. My key contributions included:

- **Authentication and Security:**

Implemented a secure login and registration flow using JWT-based authentication, ensuring data integrity and secure access for users.

- **To-Do Task and Scheduler Module:**

Developed a robust to-do task management system where users can manage upcoming tasks and records.

Implemented a powerful scheduler feature to support various notification frequencies: Yearly notifications for events like birthdays and anniversaries. Monthly notifications for recurring tasks such as doctor appointments. Daily reminders for regular tasks. Advanced scheduling, such as notifications on specific weeks and days (e.g., 3rd week on Monday and Thursday).

- **Event File Management Module:**

Designed and developed a feature to upload and store files of any type (photos, videos, audios, etc.) related to events. Enabled seamless event documentation for companies, ensuring continuity and knowledge transfer when employees leave or new organizers take over. Built functionalities to allow employees to reference historical event data for better planning and execution.

- **Database and API Development:**

Optimized database schemas to store and retrieve task schedules, event data, and uploaded files efficiently.

Developed RESTful APIs to manage task scheduling, file uploads, and user data, ensuring smooth frontend-backend communication.

- **Notification System:**

Implemented a notification system to remind users about their scheduled tasks and events at the configured frequencies.

- **Collaboration and Debugging:**

Collaborated with the frontend team to integrate APIs and ensure seamless user experience. Debugged and resolved issues related to task scheduling, file uploads, and notifications, ensuring a reliable application. This project allowed me to design and implement innovative solutions to enhance user productivity and event management, creating a seamless experience for both individual users and organizations.

## Education

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**BACHELOR OF TECHNOLOGY (COMPUTER SCIENCE & ENGINEERING)**

UKA TARSADIA UNIVERSITY • SURAT , GUJARAT • 2023

## Skills & Abilities

### Technical Skills:

Programming Languages: JavaScript, SQL

Backend Development: Node.js, Sails.js, Express.js

Database Management: SQL Server, MySQL, Redis

Web Technologies: RESTful APIs, MVC Architecture

Version Control: Git

**Core Competencies:**

Problem-Solving: Skilled in debugging and resolving technical issues, ensuring smooth functionality and user experience.

System Design: Experience in designing scalable and efficient backend solutions to meet organizational requirements.

Automation: Expertise in automating repetitive tasks to enhance efficiency and reduce manual workload.

Security Implementation: Knowledge of implementing data security and access controls to protect sensitive information.

**Soft Skills:**

Collaboration: Proven ability to work effectively within a team, coordinate tasks, and communicate project requirements.

Adaptability: Eager to learn new technologies and frameworks, and quick to adapt to evolving project needs.

Attention to Detail: Thorough approach to coding and testing, ensuring high-quality output.

Time Management: Capable of managing multiple tasks efficiently, meeting deadlines consistently.