SHIVAM KUMAR

Software Engineer

Software Engineer with **1+ year of experience** in **.NET (ASP.NET Core, Web API)** and **Full Stack Development (MERN & MEAN)**. Skilled in building **secure, scalable applications** using **JWT, RBAC, RESTful APIs, clean architecture, and microservices**. Hands-on with **React, Angular, database optimization, Entity Framework Core, and Git/GitHub**. Possess **working knowledge of UI/UX principles, SEO basics, and AWS (EC2, RDS)** to support performance and deployment.

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WORK EXPERIENCE

Software Engineer
Shiwansh Solutions

01/2025 - Present   *Mohali/India*
Achievements/Tasks

- Engineered **secure RBAC** using **JWT, OAuth2, and ASP.NET Core Identity**, enabling centralized authentication, fine-grained authorization, audit logging, and **robust enterprise-level security standards across applications**.
- Designed **scalable, modular microservices** using **.NET Core and ASP.NET Web API**, applying **SOLID principles, proven design patterns, and DDD** to ensure maintainability, fault tolerance, and **99.9% uptime** under high concurrency.
- Built **MERN stack modules** with **MongoDB, Express.js, React.js, Redux Toolkit, and Node.js**, enabling efficient frontend–backend integration via optimized **RESTful APIs**, structured data flow, and scalable system architecture.
- Collaborated with **product, QA, and DevOps teams** to deliver production-ready features, resolve issues quickly, and support smooth **CI/CD deployments** across multiple environments using **Agile/Scrum practices**.
- Optimized **API and database performance** by improving **Entity Framework Core queries**, implementing **async/await**, resolving **N+1 issues** , and reducing response time under load and concurrent usage.
- Developed **reusable and modular React components** with **Redux state management**, improving UI consistency, maintainability, code reusability, and overall development speed across projects.
- Built **secure, scalable RESTful APIs** using **Entity Framework Core and Dapper**, improving application performance, transaction handling, data access efficiency, and overall backend reliability.
- Implemented **logging, exception handling, and monitoring** using **Serilog and structured logging**, improving application observability, faster issue resolution, and overall system stability in production environments.

EDUCATION

Master of Computer Applications
IES University, Bhopal

07/2027 - Present

Bachelor of Computer Applications(BCA)
Madhyanchal Professional University, Bhopal

06/2022 - 06/2025   *7.95*

SKILLS

- Frontend: HTML, CSS, Bootstrap, JavaScript (ES6+), React.js, Redux, Angular
- Backend : ASP.NET, MVC, Microservices, Entity Framework, JWT, Design Patterns, Node.js, Express.js
- Database & Methodologies: SQL Server, MSSQL, MongoDB, OOP Principles, PostgreSQL, Performance Optimization
- Cloud & DevOps: AWS (EC2, RDS), CI/CD Pipelines using GitHub Actions, Version Control with Git & GitHub, Centralized Logging with Serilog
- Additional Knowledge: UI/UX Principles, SEO Basics, Google Analytics

PROJECTS

Employee Management System – Shiwansh.com ⧉

- Developed a **full-stack Employee Management System** to manage **employees**, **job candidates**, and **interview workflows** with secure **Role-Based Access Control (RBAC)** and **JWT-based authentication**.
- **Details:** Built using **React.js**, **Node.js**, **Express.js**, and **MongoDB**, with application **state management using Zustand** and secure authentication handled through **JWT**. The module includes an **admin dashboard**, **candidate tracking**, **follow-ups**, and **interview scheduling functionality**.
- **Key Features: Role-Based Access**, **REST API Integration**, **Employee & Candidate Tracking**, **Secure Authentication**, Performance Optimization.
- • Implemented scalable RESTful APIs and **optimized database queries to improve system performance**, data consistency, and secure communication between frontend and backend services.

Travexa Global

- Developed a **secure and scalable Tour & Travel Management System** (Travexa Global) using **.NET Core**, **React.js**, **Entity Framework Core**, **Dapper**, and **SQL Server** for **enterprise-level applications**.
- Built **Travel Package Management modules** allowing administrators to **add**, **update**, and **delete tour packages** with **pricing**, **itinerary**, **inclusions**, and **real-time availability management**.
- Implemented **Booking Management functionality** enabling customers to **book tours**, **view trip details**, **download invoices**, and **track booking status** through a **user-friendly interface**.
- Designed and developed **secure RESTful Web APIs** and optimized **database queries** using **Entity Framework Core** and **Dapper** to ensure **high performance**, **scalability**, and **efficient data access**.

CERTIFICATIONS

Responsive Web Development
Infosys

MERN Stack Developer
Coding Thinker

Fundamentals of MERN Stack (12/2025)
Simplilearn