

SAURABH MISHRA

Full Stack Developer | Software Development | Application Design

OBJECTIVE

Aspiring Full Stack Developer with expertise in React, .NET Core, and cloud technologies, targeting opportunities to contribute to innovative, high-impact projects in software development and web application design.

CONTACT DETAILS

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- Saurabh Mishra
- Github- saurabhmishra1464
- Saurabh
- Portfolio - Saurabh Mishra

CORE COMPETENCIES

- Full Stack Development
- Microservices Architecture
- API Design & Integration
- Cloud Computing (Azure)
- Cross-Platform Development
- DevOps & Continuous Deployment
- Scalable Application Architecture
- Database Design & Optimization
- Agile Methodologies
- Server-Side & Client-Side Scripting
- Code Refactoring & Optimization
- Containerization (Docker, Kubernetes)
- Cross-Functional Collaboration

EDUCATION

2021: B.Tech. - Computer Science,
Maharishi Markandeshwar University, Ambala

TECHNICAL SKILLS

- Programming Languages:** C#, JavaScript, SQL, TypeScript
- Frontend:** React, JSX, Tailwind CSS, HTML
- Frameworks/Technologies:** React, Next.js, .NET Core, Entity Framework Core, TailwindCSS
- Backend:** .NET Core, RESTful APIs
- Database:** SQL Server
- Email Service:** SendGrid, MailKit
- DevOps Tools:** Docker, Kubernetes
- Developer Tools:** Visual Studio, VS Code, Postman
- Cloud Platforms:** AWS, Azure, RabbitMQ

PROFILE SUMMARY

- Results-driven Full Stack Developer** with expertise in designing and developing scalable, robust applications using modern frameworks and technologies like **React**, **Next.js**, and **.NET Core**, along with strong proficiency in **C#**, **JavaScript**, and **SQL** to build intuitive, performance-centric systems.
- Proficient in **microservices architecture**, leveraging **ReactJS**, **.NET Core**, and **Entity Framework Core** for modular and maintainable software solutions, enabling rapid scaling and flexibility in complex application environments.
- Cloud-native development experience** utilizing **Azure** and **Kubernetes** to deploy high-availability, fault-tolerant applications, optimizing performance through **Docker** containerization and cloud-based load balancing for efficient resource utilization.
- Expertise in integrating **JWT authentication**, implementing **centralized exception handling middleware**, and optimizing **SQL queries** to enhance system performance, security, and error management across both front-end and back-end components.
- Adept at **Agile and DevOps practices**, driving continuous integration/continuous deployment (CI/CD) processes with automated pipelines, enhancing collaboration, reducing time to market, and ensuring robust, repeatable software releases.
- End-to-end project development** experience, including **requirement analysis**, **design**, **deployment**, and **maintenance**, with a strong emphasis on **collaborating with cross-functional teams** to deliver high-quality, scalable software solutions.
- Highly skilled in **cross-functional team collaboration**, working seamlessly with UI/UX designers, QA, and stakeholders to deliver user-centric solutions while ensuring consistent, high-quality application delivery and operational efficiency.
- Passionate about delivering impactful software solutions, combining deep technical expertise with a commitment to **innovation**, **problem-solving**, and **continuous learning**, aiming to drive business transformation and user satisfaction.

ENTREPRENEURIAL EXPERIENCE

Mar'24 - Present | Full-Stack Revision App

Description:

Engineered a web application to assist users in systematically revising multiple subjects through daily personalized quizzes, incorporating automated email delivery, scoring, feedback, and study resources to optimize user performance.

Key Contributions:

- Designed** and **optimized** a responsive, intuitive UI/UX using **React**, **JSX**, **HTML**, and **Tailwind CSS** to enhance user engagement.
- Developed** RESTful APIs with **.NET Core** to manage user registration, subscription workflows, quiz generation, and performance analysis.
- Integrated** a robust data management system using **SQL Server** to handle user profiles, quiz data, scores, and subscriptions efficiently.
- Implemented a dynamic **scoring and feedback module** to evaluate quiz performance & provide motivational insights (e.g., "Average," "Good," "Excellent") alongside points allocation.
- Automated** the daily delivery of quizzes via email notifications using **SendGrid** and **MailKit** to improve user consistency.
- Built** a content recommendation system that links YouTube tutorials tailored to user performance metrics.
- Deployed the application** on **AWS**, ensuring scalability, secure SQL database hosting, and robust application monitoring.

Links: Github Link backend : [git](#) , Github Link frontend: [git](#)

Description:

Architected and developed a scalable school management system with advanced features for attendance tracking, user role management, and a modular design for easy maintenance and extensibility.

Key Contributions:

- Designed and developed a comprehensive platform using **ReactJS** and **.NET Core**, leveraging a **microservices architecture** to ensure **scalability** and **maintainability**.
- Integrated **JWT-based authentication** with role-based access control for **students**, **teachers**, and **administrators** using a **.NET 8** backend.
- Developed a **biometric authentication system** for **attendance tracking**, utilizing **thumbprint-based technology** to modernize manual processes.
- Implemented centralized **exception handling middleware** for consistent error response management, including handling **custom exceptions** like token revocation failures.
- Optimized performance by refining **SQL queries** to improve response times and minimize redundant database calls for enhanced **scalability**.
- Streamlined form handling with **React Hook Form** for efficient **state management** and **Zod** for **schema validation**, ensuring reliable form submissions.
- Designed and implemented an intuitive and responsive UI with **ReactJS** and **TailwindCSS** for a seamless user experience.
- Utilized **Entity Framework Core** for efficient **data access** and smooth integration between the **front-end** and **back-end** systems.

Github Project Link: 



WORK EXPERIENCE

Key Result Areas:

- Developed and optimized interactive web applications with **responsive designs** utilizing **React**, **Tailwind CSS**, and **.NET Core**, driving **user engagement** and **performance**.
- Streamlined **API performance** by fine-tuning **SQL queries** and implementing **advanced caching techniques**, leading to a significant reduction in **response times** and enhanced **scalability**.
- Architected **reusable components** in **React**, boosting **development efficiency** and ensuring consistent, high-quality **UI/UX** across various projects.
- Integrated **third-party APIs** for dynamic **data visualization**, while establishing **secure user authentication** protocols using **JWT tokens**, enhancing **data security**.

Key Result Areas:

- Engineered an **Azure Bot** for seamless recording of **Microsoft Teams meetings**, leveraging **Azure Cognitive Services**, **Microsoft Graph API**, and **Bot Framework SDK**, improving **collaboration efficiency**.
- Deployed scalable, high-performance services on **Azure Kubernetes Service (AKS)**, ensuring optimal system **availability** and streamlined **load balancing**.
- Led the **migration of legacy systems** to a modern **microservices architecture**, reducing **infrastructure costs** and improving long-term **maintainability** and **flexibility**.
- Collaborated with **cross-functional teams**, including **QA** and **UI/UX**, to deliver robust, user-centered **software solutions** that exceeded client expectations.



PERSONAL DETAILS

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