

# Syed Hamza Asif

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## EDUCATION

### Institute of Business Administration

*Bachelor of Science, Computer Science, Dean's Honor List Fall 2022*

Karachi, Pakistan

2022 – Present

### Cedar College

*A'Levels*

Karachi, Pakistan

2020 – 2022

## EXPERIENCE

### Software Engineering Intern

*Keenu (FinTech)*

June 2024 – July 2024

*Karachi, Pakistan*

- Developed and maintained .NET applications in an agile environment, collaborating closely with senior developers on core backend functionalities
- Implemented robust backend solutions using C#, Entity Framework, and Web APIs, while optimizing SQL Server database queries
- Gained extensive hands-on experience with modern software development practices, version control systems, and deployment workflows in a professional FinTech environment

## PROJECTS

### IncogMemo | *React, Next.js, TypeScript, MongoDB, Tailwind CSS, NextAuth, Resend*

[code](#) | [demo](#)

- Developed a full-stack anonymous messaging platform with robust user authentication, personalized dashboards, and AI-driven message suggestions, promoting secure and intuitive communication experiences.
- Designed and deployed a user-friendly dashboard interface utilizing ReactJS, allowing users to access personalized features, including unique sharable links for receiving anonymous messages, enhancing user engagement and interaction.
- Executed a secure user authentication system using Next.js and NextAuth, ensuring data privacy and user authentication integrity through email verification and unique user-generated links.

### MusiJam | *React, Express, Typescript, PostgreSQL, Prisma, JWT*

[code](#)

- Designed and developed a full-stack music-sharing application that allows users to create groups, share music from YouTube and Spotify, and upvote songs, using a real-time priority queue to determine the playback order.
- Implemented JWT-based authentication and role-based access control, enabling secure login, user management, and includes profile customization and access to exclusive playlists.
- Optimized the backend with Prisma ORM for efficient data management, handling complex user interactions, genre-specific contributions tracking, and personalized music recommendations based on individual preferences.

### Multi-Service E-Commerce Backend | *.NET Core, C#, EF Core, SQL Server, RESTful, Microservices*

[code](#)

- Engineered a comprehensive microservices-based e-commerce system using ASP.NET Core and Entity Framework Core, implementing three distinct services with SQL Server integration
- Developed robust RESTful APIs with proper error handling and logging, implementing Repository Pattern and Dependency Injection for maintainable code structure and seamless service communication
- Built a unified web application integrating authentication service with user management, inventory tracking system with real-time updates, and order processing with automated stock management

### Personal Portfolio Website | *React, Next.js, Typescript, Tailwind CSS, Resend, Shadcn-ui*

[code](#) | [demo](#)

- Developed a responsive portfolio using React and Next.js with smooth scrolling and page transitions, improving user experience.
- Integrated backend email functionality using Resend, along with lazy-loading components and images to optimize performance.

## TECHNICAL SKILLS

**Frontend:** React, Next.js, TypeScript, HTML5, CSS3, Tailwind CSS

**Backend:** Node.js, Express.js, .NET Core

**Databases & Tools:** MongoDB, PostgreSQL, SQL Server, Git, Docker, Vercel