

Mohammad Zain Sarfraz

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FULL-STACK DEVELOPER

Versatile full-stack developer with a strong foundation in both frontend and backend technologies. Experienced in designing and building scalable web applications with React, TypeScript, and NestJS. Strong database skills and experience deploying full-stack applications using modern cloud platforms. Certified in AWS and cybersecurity.

SKILLS & CERTIFICATIONS

Front End: HTML, CSS, JavaScript, TypeScript, React, Next.js, Angular, Tailwind, Bootstrap
Back End: Node.js, NestJS, Express, Java, Spring Boot, C#, .NET, Python, GraphQL
Databases: PostgreSQL, Neon DB, MySQL, MongoDB
DevOps: AWS, Docker, Git, GitHub, CI/CD, Jest, Vitest, Automation, Unit Testing
Tools: Prisma, Zod, NextAuth.js, Passport, JIRA, Cursor, GPT

Certifications:

- IT Automation with Python (Google, 2025)
- Certified Solutions Architect - Associate (Amazon, 2024)
- Certified In Cybersecurity (ISC2, 2024)
- Git Version Control (Hyperskill, 2024)
- Responsive Web Design (freeCodeCamp, 2023)

EXPERIENCE

Full-Stack Developer | Vivin Sales

Remote | September 2023 - Present

- Develop and maintain features for multiple client-facing web applications, delivering responsive UIs with HTML, CSS, and Bootstrap.
- Design relational schemas and configure MySQL databases for scalable, cloud-hosted deployments.
- Build backend logic and APIs using C# and .NET, following clean architecture and repository pattern practices.
- Deploy full-stack solutions to Azure, Railway, and Vercel with environment-specific configuration.
- Conduct testing and production validation to ensure robust, error-free deployments.
- Collaborate directly with clients to refine requirements and prioritize feature delivery.

Full-Stack Developer | FirePools

Remote | July 2023 - September 2023

- Developed financial onboarding web application using Razor Pages, HTML, CSS, Bootstrap, and AJAX.
- Built backend using Entity Framework, .NET MVC pattern, and Repository pattern.
- Implemented MySQL database integration and custom authentication/validation mechanisms.

Full-Stack Developer | Caremada

Remote | September 2022 - April 2023

- Developed Angular components for chat, calendar, and service search features, incorporating real-time filtering and mobile-first design.
- Built and integrated backend API endpoints using TypeScript and SQL to power frontend functionality.
- Expanded PostgreSQL schema and wrote optimized SQL queries to support new use cases and data relationships.

PROJECT EXPERIENCE

[TicketZ Cinema](#) | Frontend: React, Next.js, Tailwind | Backend: NestJS, Prisma, PostgreSQL

- Built full-featured ticket booking platform with searchable movie/showtime listings and seat selection.
- Designed reusable UI components and modals for seamless booking flow.
- Implemented backend API with JWT authentication, route protection, and repository pattern.

[Acme Financial Dashboard](#) | Full-Stack: Next.js, React, Tailwind, PostgreSQL, NextAuth.js

- Built responsive dashboard with login flow, navigation sidebar, financial stats, and invoice/customer management.
- Backend used Neon DB with NextAuth.js, React server actions, and Zod validation.
- Implemented backend API with JWT authentication, route protection, and repository pattern.

[Personal Portfolio](#) | Next.js, React, Tailwind, Framer Motion, React Email, Resend

- Designed and developed a fully responsive personal portfolio using Next.js 15, TypeScript, and Tailwind CSS.
- Implemented smooth scroll and animated transitions across sections using Framer Motion and Lenis for an engaging user experience.
- Integrated a dark/light theme toggle, interactive project case studies, experience timeline, and a Resend-powered contact form.
- Focused on performance, accessibility, and clean UI/UX to showcase professional experience and technical skills.

[Resume Creator](#) | Frontend: Vite, React

- A single page application where users can enter their information and generate a resume which they can download as a PDF.

EDUCATION

[Diploma in Computer Engineering Technology](#) | Algonquin College | Ottawa, Ontario, Canada

- GPA: 3.89
- Dean's List every semester
- Graduated with honors

ACADEMIC PROJECTS

Library Web Application | C#, .NET, Azure

- Developed a .NET MVC web application where users can browse a library's inventory and request book rentals.
- Implemented advanced search functionality (by title, author, genre, date, language, and ISBN) with Azure SQL as the cloud-hosted backend.
- Demonstrated use of data structures, OOP, sorting/searching algorithms, SQL queries, and .NET scaffolding for frontend generation.

University Record System | Java, PostgreSQL

- Built a Java-based academic records system with PostgreSQL to manage students, teachers, courses, and grades.
- Enabled course enrollment, grade entry by teachers, and automatic GPA calculation for students.
- Applied data structures, OOP principles, search algorithms, and JDBC for data access and manipulation.

Security Door Keycard System | C, QNX

- Developed a C program on QNX Neutrino OS to simulate a secure keycard access system.
- Implemented card swipe verification, interrupt-driven door control, and alert handling for invalid access.
- Demonstrated knowledge of multithreading, inter-process communication, and embedded systems programming.