

Umer Rizwan

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SUMMARY

Full-Stack Web Developer with expertise in AI integration and real-world system implementation. Proficient in building scalable, user-centric applications using Next.js, React, and TypeScript, with backend development on Firebase and cloud platforms. Experienced in deploying biometric and IoT-based attendance systems using ZKTeco F22 devices and Lantime cloud infrastructure, integrating hardware with software to enable real-time workforce monitoring. Skilled in automating workflows, optimizing user experiences, and delivering production ready solutions under tight deadlines. Passionate about creating intelligent, technology-driven systems that improve operational efficiency for businesses.

TECHNICAL SKILLS

- Frontend:** Next.js, React, TypeScript, Tailwind CSS, ShadCN UI
- Backend & Cloud:** Firebase (Firestore, Authentication, Cloud Storage), Node.js, REST APIs
- AI & Automation:** OpenAI GPT API, Prompt Engineering, AI Chatbots, Intelligent Workflow Automation
- Tools & Platforms:** Git, GitHub, Firebase Hosting, Twilio API, Notion Automation
- Programming Languages:** JavaScript, TypeScript, Java, C++
- Additional:** Android Development (Basic), Microsoft Excel, AutoCAD (Basic)

EXPERIENCE

Full-Stack Developer (Freelance)

Self-Employed • Remote | 2025

- Designed and developed responsive web applications using Next.js, React, and TypeScript.
- Integrated AI-driven features to automate workflows and improve user experience.
- Built and deployed projects using Firebase (Firestore, Authentication, Cloud Storage).
- Collaborated with clients to gather requirements, propose solutions, and deliver scalable applications on time.
- Developed and customized Notion-based productivity tools leveraging AI prompts for solopreneurs and small businesses.

Design Supervisor

TBT Engineering • Ontario, Canada | 04/2023 – 11/2024

- Communication:** Communicate effectively with clients, contractors, and other stakeholders to ensure project expectations are met.
- Management:** Oversee and manage the construction process, including coordinating and directing workers, subcontractors, and suppliers.
- Safety and Regulations:** Enforce safety regulations and building codes and conduct regular inspections to identify potential hazards or violations.
- Supervision:** Ensure all works are carried out following approved plans, specifications, and permits.
- Information Technology:** Design floor plans and basic 3-D-based models including architectural structures.

Maintenance Worker

Impala Canada • Ontario, Canada | 05/2022 – 03/2023

- **Inspecting:** Regular inspection of equipment, buildings, and systems to identify issues.
- **Repairing:** Fixing faulty equipment and components, or scheduling repairs for specialists.
- **Troubleshooting:** Analyzing problems and troubleshooting to find solutions.
- **Maintaining vehicles:** Adjusting tire pressure, cleaning windows, refueling, and checking fluid levels.

Custodial Staff

Ras Maintenance Services • Ontario, Canada | 06/2020 – 04/2022

- **Maintenance:** Performing routine maintenance, such as changing air filters and cleaning air vents.
- **Security:** Ensuring the security of the building by locking doors and windows, monitoring safety hazards, and correcting deficiencies.
- **Supplies:** Monitoring and replenishing supplies, such as paper towels, toilet paper, and soap.
- **Customer service:** Providing customer service for clients and residents.
- **Reporting:** Reporting and addressing minor maintenance issues and coordinating with the maintenance department for more significant repairs.

PROJECTS

• Cloud-Based Biometric Attendance System Deployment – Freelance Project | UAE

Implemented a real-time biometric attendance solution across mobile company buses using ZKTeco F22 devices and Lantime Cloud, enabling automated reporting and centralized tracking for 250+ employees across three organizations. Reduced attendance processing time by 90%, eliminated proxy attendance, and improved payroll accuracy to 100%, contributing to faster HR operations and full compliance with labor regulations.

• Bewegens Elevators Business Website – www.bewegens.com

Designed and developed a responsive website for an elevator company, featuring project showcases, testimonials, and a modern interface using **Next.js, Tailwind CSS, and Firebase**.

• Personal Web Portfolio – umerrizwan.netlify.app

Built and deployed a custom **Next.js + TypeScript** portfolio to highlight skills, freelance projects, and contact information.

EDUCATION

CS50's Introduction to Computer Programming

Harvard University (Online) | 2025

Google AI Essentials (Specialization)

In Progress | Expected February 2025

Civil Engineering Technician

Confederation College, Ontario, Canada | 2022

Android Development Certification

Calibroz Cyber Campus, India | 2018

High School Diploma

Yara International School, Riyadh, Saudi Arabia | 2018