Ahsan Khalid

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SKILLS

Backend & Databases: Node.js, Express.js, TypeScript, RESTful APIs, Microservices, WebSockets, PostgreSQL, MongoDB, SQL
Cloud, DevOps & BaaS: AWS, GCP, Docker, Git, Bash Scripting, Supabase, Appwrite
Frontend & Tools: React.js, Next.js, TailwindCSS, Postman, VS Code, Figma

EXPERIENCE

Software Engineer   *Oct 2023 - Present*
Inostrik - *Islamabad, PK*
- Developed responsive AI solutions with React applications, boosting user engagement and increasing retention by 25%
- Designed REST APIs for a multi-tenant SaaS CRM, implementing secure role-based access for multiple user types.
- Engineered a backend system to support a drag-and-drop template editor with PDF export, cutting report time by 5x.
- Developed real-time API endpoints for a modular dashboard, efficiently serving live data to over 1,000 users.

Associate Software Engineer   *Nov 2022 - Sept 2023*
DataFusion IT - *Remote*
- Engineered a Node.js backend for an OMS, using Supabase RLS to ensure strict data isolation for vendors.and logistics
- Implemented end-to-end AI LLM solutions for clients, building real time dashboards and integrating third-party services
- Built a secure QR voucher redemption & scanner system via a REST API, leveraging Supabase Auth for user verification.
- Integrated PayPal APIs to automate player payouts, reducing manual intervention and reconciliation time by 90%.

Software Engineering Intern   *May 2022 - Sept 2022*
Bytewise Limited - *Islamabad, PK*
- Developed 100+ user-facing features in NextJs and Node, reducing latency by 20% and improving overall optimization
- Developed and optimized REST APIs with ReactJs and NextJs, enhancing dataset retrieval by 30% for 10k+ requests.
- Improved and optimized site performance by 25% for 1,000+ daily visitors through advanced Redux and Next.js SSR.

PROJECTS

K-beauty (Operations Management System) | *NextJs, Node.Js, Tailwind, Supabase, Stripe,* - GitHub   *Jul 2025 - Sep 2025*
- Built operations system for wholesale business with RLS & Role based access for vendors, logistics, staff and Admin.
- Developed order, catalog, CRM, and ticketing management systems for seamless business workflow automation.
- Implemented data isolated vendor portals with bulk orders, Invoice document handling, and payments tracking.

Bonny – The Guide to Miracle Places | *Next.Js, TypeScript, Supabase, Tailwind, Stripe* - Live   *March 2025 - Sep 2025*
- Built full-stack city guide app with Next.js, Supabase & Stripe for 1K+ listings and real-time maps, vouchers and events.
- Developed secure QR voucher redemption and Secure scanning system with Supabase auth, boosting engagement by 60%.
- Integrated Stripe for tiered user & business subscriptions automating payments, renewals, and regional access System.
- Built scalable CMS and analytics modules empowering admins to moderate 500+ businesses, track and redemptions.

ASOPLUS SaaS CRM | *Next.Js, TypeScript, Appwrite, Tailwind*   *Jan 2025 - June 2025*
- Developed a scalable multi-tenant SaaS platform with role-based access for 4+ user types using Next.js and Appwrite.
- Engineered a modular CRM dashboard supporting real-time data for 1000+ users and customers across companies.
- Implemented a drag-and-drop template editor with PDF export, enabling 5× faster generation of branded OHS reports.

Plyzrx – Gaming & Admin Platform | *Next.Js, TypeScript, Unity, Appwrite* - Live   *Dec 2024 - July 2025*
- Integrated a Unity game with a Next.js and Appwrite dashboard, enabling real-time tracking for 1K+ players and transactions.
- Implemented tier-based tournament access with PayPal and Bankful, automating payout and reducing manual errors by 90%
- Developed IP geo-restrictions, player ban tools, and live gameplay monitoring to enforce compliance and ensure fair play.

Built your own HTTP Server | *JavaScript, Socket.io, Node.Js, Git* - GitHub   *Aug 2024 -Sep 2024*
- Used Node.js and Socket.io to build a custom HTTP server, improving file reading, updating and writing by 50%.
- Built buffer and streaming functionalities, led to boosting performance by 40% and improving multi-file efficiency
- Implemented Git version control and automation, ensuring project management and code integrity with ease.

EDUCATION

Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (Szabist Islamabad)   *Oct. 2020 – July 2024*
Bachelor of Science in Software Engineering

Activities

Microsoft Learn Student Ambassador - BETA - Planned and executed tech workshops and events.   *Aug 2023 - Sep 2024*

OpenSource Contributor - HacktoberFest & GSSoC - Top 100 rank in Open Source events.   *July 2022 - Present*

AI Hackathon by MLH and Devpost - Transforming ideas into functional products under pressure.   *Sep 2023 - Present*