

# Muhammad Arslan

Full-Stack Developer | Backend Focused | System Design Enthusiast

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📍 Islamabad, Pakistan

## EDUCATION

### BS Computer Science

Capital University of Science and Technology, Islamabad  
2019 – 2023

🏆 Gold Medal

## EXPERTISE

### Frontend

- ReactJS / NextJS – 2 years
- Tailwind CSS – 2 years
- ShadcnUI / DaisyUI
- Custom Trees / Graphs

### Backend

- Node.js- 3 years
- NestJS- 1 year
- Rust- 1 year
- PostgreSQL / MongoDB
- Prisma / Drizzle ORM
- Redis / BullMQ / Kafka

### Infra & DevOps

- Docker
- Github Actions
- AWS- EC2 / S3
- Vercel / Cloudflare

## PROFILE

A **Gold Medalist** Full-Stack Developer with **3+** years of experience in **React, Node.js, NestJS**, and **PostgreSQL**. Skilled in building both clean frontend UIs and robust backend systems. Passionate about **System Design** and exploring **AI Integrations** in real-world SaaS projects. Focused on building scalable, backend-heavy applications with strong architecture.

## EXPERIENCE

### Full Stack Developer

Leed Pakistan, Islamabad

2023 – present

Worked on full-stack projects for both internal and international clients. Built an invoice system using **Node.js, Express**, and **React**. Contributed to [Techless.com](https://www.techless.com) (U.S. client) by developing admin and parental portals, using **Node.js, PostgreSQL, MQTT**, and **Prisma** for real-time sync. Recently led development of a Shopify checkout rules app ([Besure Checkout rules](#)) using **React (Vite)**, **Rust (Shopify Functions)**, and **Node.js**, focusing on **Scalable Architecture** and direct merchant collaboration.

- Built core features for Techless parental and admin portals supporting **5,000+** Android OS devices.
- Collaborated in a **10-person Agile team**, participated in code reviews, and improved communication with US-based clients.
- Delivered backend features using **PostgreSQL + Prisma ORM**, and maintained **React/Angular** UIs.
- Contributed to a property listing platform with multi-role dashboards (Admin, Agents, Users) using **React, Node.js**, and **PostgreSQL + Sequelize**.
- Currently leading feature planning and support for a production-grade Shopify app using **Rust (Shopify Functions)**, **React + Vite**, and **Express + Prisma**.
- Handle **merchant queries**, guide on complex rule setup, and plan & implement new feature requests.
- Maintained and extended a **well-architected codebase**, adhering to **industry standards and scalability patterns**.

### Freelance Full-Stack Developer

Remote, Pakistan

2022 – present

Worked across diverse full-stack freelance projects for both local and international clients. Built a complete workflow and invoice management system for a local printing press using **React, MongoDB, WebSockets**, and a **custom SCUM-based UI** to streamline daily operations. For [AreekaWeb.com](https://www.areekaweb.com), a therapy consultation platform, developed a robust backend in **NestJS** with **PostgreSQL (via Prisma)**, **Redis, BullMQ, AWS S3**, and **Zod** for validation.

- Implemented **WebSockets** for real-time, bi-directional communication between frontend and backend servers.
- Emphasized **clean architecture**, **Swagger API** documentation, and modular code design.
- Maintained production deployments and ensured smooth collaboration using **Agile practices**.