

Nasir Ghaffar

MERN Stack Developer

[My Portfolio](#) | [Github Profile](#)

MERN Stack Developer with strong experience building scalable web applications using **React.js**, **Node.js**, and modern frontend architectures. Specialized in developing complex **Data Visualization** tools, **CAD**-based web applications, and real-time monitoring dashboards. Experienced in **WebGL** integrations, **DXF/DWG** rendering on web canvas, and mapping backend sensor data to interactive diagrams. Passionate about solving real-world industrial and operational challenges through efficient system design and clean architecture.

EXPERIENCE

Takamul Technologies, Remote (Full-Time) — *Frontend Developer*

Nov 2024 - Feb 2026

Led frontend development for **Proceshub Operational Excellence** and **Proceshub Progress Monitoring** platforms. Designed and developed a custom **DXF/DWG Web Viewer** using React.js and WebGL.

TechyJeeves, Remote (Full-Time) — *MERN Stack Developer*

Nov 2023 - Nov 2024

I worked as a MERN Stack Developer. Responsible for architecting and designing scalable, maintainable, and efficient web applications using the MERN.

Tech-Glance, Remote (Part-Time) — *Full Stack Developer*

June 2022 - Nov 2023

During my tenure at Tech Glance from June 2022 to Nov 2023, I served as a part-time Full Stack Developer. In this role, I successfully contributed to various projects, utilizing my expertise in both front-end and back-end development.

House of Techies, Remote — *Senior MERN Stack Developer*

March 2022 - February 2023

I worked as a Senior MERN Stack Developer. Responsible for Products Architecture, Planning, Development, Staging, and Releasing, with the collaboration of Junior Developers using Jira.

Startem Incorporation, Remote — *Team Lead & Product Manager*

February 2020 - March 2022

I worked as the team lead and product manager to get requirements, create user stories, run sprints, and work as a lead developer for connecting/developing different platform microservices.

QuellxCode Pvt. Ltd., Islamabad — *Junior Front-End Developer*

August 2017 - October 2019

I worked as a junior frontend developer, responsible for the visual parts of the frontend app in angular latest.

Technologies being used were Angular 6, Typescript, HTML, CSS, and Bootstrap.

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FRONTEND DEVELOPMENT SKILLS

- Reactjs | Nextjs
- Angular 8+
- Typescript | Javascript
- HTML5 | CSS3 | Bootstrap
- Sass/Less | Tailwind CSS
- WebGL
- Canvas API
- WordPress
- Squarespace
- Shopify | LiquidJS (Custom Reusable Blocks Creation for theme)
- Three.js | Framer Motion | GSAP
- Data Visualization (Charts & Industrial Dashboards)
- CAD File Rendering (DXF/DWG Handling)
- Prismic CMS | Strapi CMS
- Stripe Payment Integrations
- Socket.io (real-time communication)

BACKEND DEVELOPMENT SKILLS

- Nodejs | Express
- ORMS : Prisma | Sequelize | Type ORM
- GraphQL
- RESTful APIs
- Real-time Data Mapping
- MongoDB | MySQL
- Firebase Expert
- Docker
- Industrial IoT Dashboard Integration
- File Processing & Upload Systems
- Large File Optimization
- Server Configurations (Nginx, Ubuntu, EC2)
- API Documentation (Swagger, OpenAPI)

PROJECTS

DXF Viewer (Industrial Diagram Monitoring Tool) — with Takamul Technologies

Engineered a full-stack DXF/DWG web viewer using React and WebGL to render large-scale technical drawings directly in the browser. Integrated backend sensor data mapping, document attachments, and point-based commenting for real-time industrial diagram collaboration.

Processhub Progress Monitoring — with Takamul Technologies

Built a progress tracking platform designed to monitor industrial workflows and project milestones with live status updates. Implemented interactive data visualization components to provide clear insights into operational progress and performance trends.

Processhub Operational Excellence — with Takamul Technologies

Developed a dynamic industrial operations dashboard enabling real-time visualization of performance metrics and system efficiency. Integrated sensor data mapping with interactive diagrams to enhance monitoring, analytics, and operational decision-making.

GorillaFunder — with Techyjeeves

Developed a specialized platform for fundraising projects in the video and movie industry, enabling creators to secure financial support for their cinematic ventures.

GorillaFilms — with Techyjeeves

Developed a specialized collaboration tool for filmmakers, integrating social media functionalities tailored to the film industry, enabling streamlined communication and project management.

MySiteSolutions — with Techyjeeves

Developed a comprehensive contractor management platform enabling efficient management of labor, documents, and project sites. Streamlined the allocation of labor to specific sites, improving overall project coordination and productivity.

Screnpla — with Techyjeeves

Developed Ai Powered Screenplay writing tool, a specialized tool designed to enhance the productivity of scriptwriters by streamlining the scriptwriting process. This tool provided advanced features for organizing, editing, and collaborating on scripts, significantly improving workflow efficiency.

Carbon-Report — with Tech-Glance Team

As a developer on the Carbon Report Project, I focused on integrating user-provided data and matching it with government-specified GHG factors for accurate emission calculations.

Siingio — with House of Techies Team

Siing.io is a songs management platform, Where users can manage their songs, choirs, and members. Users can also share their songs with other choir members and get feedback from them.

K&G Tailored Brand — with House of Techies Team

The web app has the capability to manage ASNs, LPN, and ITEMS management, with customized print tags and run time barcode tags generation using a ZPL printer.

Baseval — with Startem Team

The web app has the capability to manage all kinds of payments management

TESTING AND QUALITY ASSURANCE

- Unit Testing (Jest, Cypress, CodeceptJS, Playwright)
- Test Automation
- Code Review and Static Analysis
- Performance Testing

OTHER SKILLS

- Figma
- Adobe XD
- Adobe Photoshop
- Adobe Illustrator
- Git, Bitbucket, CI/CD Pipelines
- AWS | EC2 Instance | Route 53 | SES
- Unity WebGL Integration
- Technical Diagram Annotation Systems
- Performance Optimization for Large Canvas Applications
- NPM Packages Development
- Chrome Extensions Development

Qualification

Bachelor In Computer Science - Virtual University of Pakistan

AWARDS

First Position in Software Development Competition - Rawalpindi Region.

CERTIFICATIONS

Freelancing - Certificate ID: YYN2K2DPQ.

Graphic Designing - Certificate ID: PDEBHRMPQ.

WordPress - Certificate ID: WFH8UJYPQ.

SEO (Search Engine Optimization) - Certificate ID: TJ3QZXRPO.

These documents can be verified at: <https://digiskills.pk/verify>

LANGUAGES

English, Urdu, Punjabi

functionality like plans/package creations for the products. And get embeddable code and attach it with any product to manage payments and other functionalities in the portal. And the capability to run that portal according to the purchased plan.

Workioz — *with Startem Team*

Workioz is an HR-ready platform that deals with Human Capital Management at the enterprise level. This app has the capability to manage the whole organization and its employees Using Live Tracking System.

Vease — *with Quellxcode Team*

Making it easy for customers to book their services in a few clicks, and enjoy those services on their doorstep.

Nerdpapers — *with Quellxcode Team*

As a developer, I contributed to the creation of Nerdpapers, a trusted platform that delivers exceptional academic papers.

To explore my portfolio and view a comprehensive showcase of my work, please visit <https://nasirghaffar.vercel.app>.