

Muhammad Saad

FULL STACK SOFTWARE ENGINEER · MERN | NEXT.JS | TYPESCRIPT · GOOGLE DSC LEAD 23-24

Gujranwala, Pakistan

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“Building Scalable, High-Performance Web Applications.”

Summary

Full-Stack Software Engineer with 1 year of experience in building scalable web applications using the MERN stack, Next.js, TypeScript, and PostgreSQL. Passionate about developing high-performance, secure, and user-centric software solutions. Experience includes working on SaaS products, E-Commerce, job portals, and real-time applications. Actively contributing to open-source and leading tech communities as a Google DSC Lead.

Work Experience

TyroSoft

Gujranwala, PK

SOFTWARE ENGINEER - INTERN

Aug. 2024 - Sep. 2024

- Developed and optimized web applications for clients, including OpenEMR and CATS (Applicant Tracking System).
- Contributed in an internal Time Tracking App using ElectronJS (desktop), NextJS (dashboard), and NestJS (backend).
- Worked with Core PHP for enterprise applications, adapting from a MERN background.
- Worked closely with senior developers and clients, gaining valuable insights into project management and client communication.

Bytewise Limited

Islamabad, PK

MERN TRACK - FELLOW

Jun. 2024 - Aug. 2024

- Built a full-stack CRM application (CustomerConnect) using React, Node.js, Express, and MongoDB.
- Developed multiple applications including a careers app, a birthday reminder app, and a Quran player app using React.js, Redux Toolkit, and TypeScript.
- Deployed applications on Vercel, showcasing dynamic functionality and engaging user interfaces.

Self-Employed

Remote

FULL STACK DEVELOPER - FREELANCE

Oct. 2023 - Present

- Developed a Dashboard using Core PHP for a Web Development Company for managing their current clients needing maintenance.
- Developed a 3D flipbook portfolio using Three.js Plugin and React, enhancing user engagement through interactive animations.
- Built Next.js landing pages with Lottie animations and Google Sheets integration Data Storage.

Education

University of The Punjab - Gujranwala Campus (PUGC)

Gujranwala, PK

B.S. IN COMPUTER SCIENCE

Oct. 2021 - Oct. 2025

- Campus Lead, Google Developer Student Club (GDSC-PUGC) 2023-24.

Projects

OptaHire - Final Year Project

AI-POWERED JOB PORTAL AND INTERVIEW MARKETPLACE

- Developed a job portal with AI-based resume filtering and candidate ranking.
- Integrated secure payment processing using Stripe for recruiter-interviewer payments.
- Deployed the application on Vercel and Heroku for efficient hosting.
- Github Repository:** <https://github.com/itxSaaad/opta-hire-ai-recruitment-fyp-app-mern>
- Live URL:** <https://opta-hire-fyp-app-client.vercel.app/>
- Tech Stack:** React.js · Sequelize · Express · PostgreSQL · Stripe API

Pizza Palette - Practice Project

FEATURE-RICH ONLINE PIZZA DELIVERY SYSTEM

- Developed a pizza delivery system with real-time order tracking and custom pizza creation.
- Implemented user authentication, Razorpay payment integration, and email notifications.
- **Github Repository:** <https://github.com/itxSaaad/pizza-palette-app-mern-OIBSIP-task-1>
- **Live URL:** <https://pizza-palette-app-mern.vercel.app>
- **Tech Stack:** *React.js · Express · Razorpay API · MongoDB · Nodemailer*

Metaversus UI/UX - Practice Project

IMMERSIVE UI/UX DESIGN FOR A MODERN METAVERSE AGENCY WEBSITE.

- Designed an animated, immersive landing page to showcase UI/UX design for a Metaverse agency.
- Utilized Next.js and Framer Motion to create dynamic content and visually engaging animations.
- **Github Repository:** <https://github.com/itxSaaad/metaversus-ui-ux-app-next>
- **Live URL:** <https://metaversus-ui-ux-app-next.vercel.app>
- **Tech Stack:** *Next.js · Framer Motion · Tailwind CSS · React.js · CSS Modules*

Extracurricular Activities

Google Developer Student Club - University of the Punjab

Gujranwala, PK

CAMPUS LEAD

Aug. 2023 - Aug. 2024

- Led and coordinated initiatives to engage the university community with Google technologies, fostering collaboration and innovation.
- Organized and executed workshops, hackathons, and tech talks, attracting 100+ participants and significantly enhancing their technical skills and knowledge.
- Built a strong, motivated community by creating opportunities for hands-on learning, problem-solving, and networking.

Google Developer Student Club - University of the Punjab

Gujranwala, PK

DESIGN AND WEB LEAD

Dec. 2022 - Aug. 2023

- Led the design and development of web applications using the MERN stack, enhancing the technical capabilities of the club.
- Collaborated with team members to create and launch responsive, user-friendly web interfaces using React.js.
- Adopted industry best practices to write clean, efficient, and well-documented code for high-quality deliverables.
- Contributed to the Google Solution Challenge with the project "MindMate" — a mental health app aimed at supporting well-being.
- **Live URL:** <https://mind-mate-gsc-23.vercel.app>

Programming Skills

Languages	JavaScript (ES6+), TypeScript, Python, SQL, C++
Frontend Development	React.js, Next.js, TailwindCSS, Material UI, Redux, HTML5, CSS3
Backend Development	Node.js, Express.js, Nest.js, MongoDB, MySQL, PostgreSQL, Sequelize ORM, JWT, Socket.io
Tools & Deployment	Docker, AWS, Google Cloud, Git, GitHub, Vercel, Netlify, Heroku, Postman
API & Database Management	RESTful APIs, Mongoose ODM, Sequelize ORM, Firebase, Appwrite
Design & Development Tools	Figma, Adobe XD, Visual Studio Code, Jest, GitHub Actions

Certifications

Coursera

Online

IBM FULL STACK DEVELOPMENT

2023

Coursera

Online

META FRONTEND DEVELOPER SPECIALIZATION

2023