

# Muhammad Zain

+92 (311) 7406944 • [zainshakoor.dev@gmail.com](mailto:zainshakoor.dev@gmail.com) • [Github](#) • [LinkedIn](#) • [Leetcode](#)

## Summary

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**MERN Stack Developer** with 3+ years of experience building and shipping full-stack web applications in healthcare, e-commerce, and SaaS domains. Proficient in React.js, Node.js, TypeScript, MongoDB, and MySQL. Proven track record of delivering scalable REST APIs, reducing system load times, and migrating monolithic systems to microservices architectures. Experienced with AWS (EC2, S3), CI/CD pipelines, GraphQL, and Agile workflows across remote and on-site teams.

## TECHNICAL SKILLS

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**Languages:** JavaScript (ES6+), TypeScript, Python, C++

**Frontend:** React.js, Next.js, Angular.js, Redux, GraphQL, Tailwind CSS, MUI, Chakra UI, Ant Design

**Backend:** Node.js, Express.js, REST APIs, Microservices Architecture

**Databases:** MongoDB, MySQL, Prisma ORM

**Cloud & DevOps:** AWS (EC2, S3), CI/CD Pipelines, Vercel, Git, GitHub

**Tools:** Jira, Trello, Slack, Postman, Firebase

## PROFESSIONAL EXPERIENCE

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### MERN Stack Developer

[Curely](#)

Sep 2025 - Present

Faisalabad - PK

- Built and integrated full-stack modules for a UK-based healthcare platform serving 100,000+ registered users, improving interoperability between medical systems.
- Developed real-time analytics dashboards for clinical staff using React.js and Node.js, reducing manual data review time by ~30%.
- Implemented patient data visualization components and custom charting solutions, improving clinical workflow efficiency.
- Collaborated with cross-functional teams across the UK and Pakistan to deliver HIPAA-aligned digital health tooling on schedule.

### Full Stack Developer

[ZAW-Tech Ai](#)

Feb 2023 - Aug 2025

Faisalabad - PK

- Designed and shipped 5+ scalable MERN/MEAN stack applications, improving user engagement by 35% through interactive UIs and optimised backend performance.
- Engineered RESTful APIs with Express.js and implemented Redux state management, reducing client-server data latency by 25%.
- Increased unit and integration test coverage from 40% to 80% using Jest, reducing production bug rate by 50%.
- Collaborated in Agile sprints (2-week cycles), consistently delivering features on time across a team of 8 engineers.

### Frontend Developer

[Aimsol](#)

Aug 2024 - July 2025

Karachi - Remote

- Built and maintained 10+ responsive React.js and Angular interfaces, boosting usability scores across desktop and mobile devices.
- Applied code-splitting, lazy loading, and image optimisation techniques, improving Lighthouse performance scores by 28 points on average.
- Ensured smooth UI/UX integration with backend services; maintained versioned, peer-reviewed codebases with zero regression incidents over 6 months.

**MERN Stack Developer**  
**AUTO9**

Aug 2022 - Feb 2023  
Malaysia - Remote

- Developed full-stack applications with React, Node.js, and MongoDB for an automotive services platform used by 5,000+ monthly active users.
- Led migration from monolithic architecture to microservices, reducing deployment time by 40% and improving horizontal scalability.
- Automated CI/CD pipelines using AWS and Vercel, cutting manual deployment errors by 70% and accelerating release cycles from biweekly to daily.

**MERN Stack Developer**  
[Staywo](#)

Nov 2021 - Apr 2022  
USA - Remote

- Created user-centric web applications with the MERN stack, supporting a user base of 2,000+ with responsive design and interactive UI components.
- Designed server-side business logic and MongoDB schema for a content management system handling 500+ daily content updates.

**Real-Time Firebase App Developer**  
[Seeraht](#)

Apr 2021 - Aug 2021  
Faisalabad - PK

- Built real-time web applications using React.js and Firebase, enabling instant data sync for 200+ concurrent users.
- Reduced frontend render time by 20% through component memoisation and optimised Firebase listener management.

## Education

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**Bachelor of Science in Computer Science**

Dec 2021 - Jan 2026

Government College University, Faisalabad | CGPA: 3.22/4.0

## Certifications

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- Web and Mobile App Developer
- [React](#) Developer from HackerRank
- [Javascript](#) Developer from HackerRank

## Achievements

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- [@Leetcode](#): **Solved 50+** Data Structures and Algorithms problems. [\[Github link\]](#)
- [@Hacktober Fest x 2](#): **Contributed** to open-source projects by submitting PRs across Python and web Apps repos.
- [@Meta Hacker Cup](#): **Rank** for round 2 (2025), **1264/6000** Globally and **19th Regionally**.
- [@Typing Speed](#): **70 WPM** typing speed.
- [@ICSC](#): **Qualified** for the **Pre-Final Round** of the ICSC worldwide.

## International Hackathons & Coding Competitions

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### NASA Space Apps Challenge 2025

**3D Asteroid Tracker** | HTML, CSS, TailwindCSS, JavaScript, TypeScript, React.js, Asteroids-NeoWs

- A web app visualizing **asteroid orbits** and highlighting potential hazards using **NASA** data. [[Github link](#)]
- Led a team of three in the **NASA Space Apps Challenge 2025** and contributed as a **Full Stack Developer**. [[Submission Link](#)]

### Lablab.ai Hackathons

**SmartRefactor** | HTML, CSS, Python, Streamlit, MistralAI (LLM), Cohere | [[Github Link](#)]

- AI tool that automates and **optimizes code refactoring** for cleaner, faster, and efficient development.
- Collaborated in a team of three as a **Full Stack Developer**. [[lablab.ai submission link](#)]

### Competitions

**Meta Hacker Cup 2025** | [[Certificate Link](#)]

- Participated in **round 2** (2025).
- Secured **1264** out of **6000** Globally and **19th** Position **Regionally**.

**International Computer Science Competition (ICSC)** | [[Certificate Link](#)]

- Participated and **Qualified** for **Pre-Final** Round (2025).

## Leadership & Volunteer Experience

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### Trainer and Moderator

[iCodeGuru](#)

- Volunteered as an **instructor** at iCodeGuru, teaching **Full Stack Development**.
- Moderated a session for **GRE** preparation.

July 2025 - Present  
Santa Clara, California - Remote