

# Zunain Ali Azam

## Software Engineer

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## SUMMARY

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Software Engineer with nearly two years of experience in frontend and full-stack web development using Next.js, Angular, Node.js, Nest.js and TypeScript. Skilled in building scalable web applications, developing reusable UI architectures, creating backend services, performance optimizations, implementing technical SEO, and CI/CD-driven deployment workflows.

## SKILLS

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**Proficient:** React.js, Angular, TypeScript, Next.js, Redux Toolkit, Transtack Query, Tailwind CSS, Material

**Familiar:** NodeJS, ExpressJS, MongoDB, MySQL, MongoDB, Firebase

**Tools:** Git, MonoRepo

## WORK EXPERIENCE

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### IOMechs

Karachi, Pakistan

#### Software Engineer

Feb 2025 - Present

- Contributed to Estenarh (80000+ users) by developing and maintaining Admin dashboards and customer-facing modules using Angular, Angular Material and Tailwind CSS.
- Improved Estenarh's search visibility and frontend maintainability by resolving Technical SEO issues and leading migration efforts from Next.js v14 to v16.
- Designed and implemented analytical dashboards tracking client acquisition, retention rates, bookings, and revenue metrics for consultants and platform-wide performance, replacing manual reporting and reducing reporting effort by ~30–40%
- Migrated Estenarh Admin from Angular v14 to v17 through structured refactoring, improving scalability, UI consistency, and long-term maintainability.
- Contributed to IMS and Admin workflows for AZM using Angular, Angular Material and reusable component architecture, streamlining internal operational processes.
- Stabilized NowCutz Admin and Shop portals by resolving 12+ production issues and delivering new features within a monorepo setup using Next.js, TailwindCSS and TanStack Query.
- Collaborated with backend and QA teams across multiple products to ensure reliable API integrations and smooth production releases.

### Infinity Solutions

Karachi, Pakistan

#### Frontend Developer

Jun 2024 - Jan 2025

- Developed and maintained an e-commerce admin dashboard using React, Redux Toolkit, and Tailwind CSS for order and operational management workflows.
- Built multiple responsive client websites with cross-browser compatibility and mobile-first implementations.
- Implemented centralized state management and API integration flows using Redux Toolkit, improving frontend data handling and scalability.
- Worked closely with backend and QA teams to streamline testing and deployment cycles.

## National Center for Cyber Security - NED

Karachi, Pakistan

### Frontend Developer Intern

Jan 2024 - Apr 2024

- Contributed to the development of 4ormation, a remote hiring platform, using HTML, CSS, Bootstrap, and JavaScript.
- Implemented frontend forms, navigation flows, and API integrations to support candidate and recruiter workflow

## PROJECTS [View All](#)

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**Calyndrs** [🔗](#) Developed a scalable event management and discovery platform enabling organizers to create, manage, promote, and analyze events through a unified ecosystem. Built features for event creation, RSVPs, payments, marketing workflows, attendee engagement, and performance analytics, while providing users with seamless event discovery and booking experiences. Designed platform workflows connecting organizers, venues, and event management companies to streamline event operations and support scalable community-driven experiences.

**Tutorly**, Developed a full-stack AI-powered EdTech platform using React, TypeScript, Tailwind, and Firebase to enable real-time attentiveness tracking and personalized analytics in online classrooms. Integrated MediaPipe to monitor student activity during sessions, and used Node.js with Express to build secure APIs for managing users, meetings, and reports. Implemented automated email notifications via Brevo, enhancing student engagement and providing actionable insights for educators.

**Propertease** [🔗](#) Developed a full-stack Real Estate platform with React, SCSS, Node.js, Express, and MongoDB, featuring JWT authentication, property listings, and real-time WebSocket-based chat.

## EDUCATION

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### University of Karachi

Karachi, Pakistan

Bachelors in Computer Science

Jan 2021 - Nov 2024

## CERTIFICATES

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**AI for Everyone**, *DeepLearning.AI* [🔗](#)

**Javascript Algorithms and Data Structure**, *FreeCodeCamp* [🔗](#)

**Python Fundamentals**, *DataCamp* [🔗](#)

**Web Development with React and MongoDB**, *Udemy* [🔗](#)

## ACTIVITIES

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### Google Developers Student Club - UOK

Karachi, Pakistan

Public Relations Lead

Jan 2023 - Sept 2023

- Led student outreach initiatives and organized technical workshops engaging 250+ students while connecting participants with mentorship and career opportunities.

### B17 Fund Initiative

Karachi, Pakistan

Volunteer

Feb 2025 - Present

- Conducted mock interviews, mentored students, and supported educational initiatives through volunteer-led learning and career readiness programs.