Affan Ahmed Full Stack Developer

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Full Stack Software Developer with hands-on experience designing, developing, and deploying scalable web applications using **React.js, Next.js, TypeScript, Node.js, Django, Python, PostgreSQL, and AWS**. Experienced in building complete frontend interfaces, RESTful APIs, database-driven applications, and cloud-native solutions using Docker, AWS ECS, Terraform, and GitHub Actions.
Currently working as a **Web Development Instructor** while completing a **Bachelor's degree in Computer Science**, mentoring students in modern web technologies and project-based software development. Passionate about writing clean, maintainable code, solving real-world problems, and continuously learning emerging technologies including AI and Cloud Computing.

PROFESSIONAL EXPERIENCE

Full Stack Developer Intern, *Darul Solution* — Karachi, Pakistan — 05/2025 – 01/2026

- Developed responsive full-stack web applications using **React.js, Next.js, TypeScript, Node.js, and PostgreSQL**.
- Built reusable frontend components following responsive and mobile-first design principles.
- Developed RESTful APIs and integrated backend services with frontend applications.
- Worked with Git and GitHub for version control and collaborative development.
- Assisted in debugging, testing, deployment, and performance optimization.
- Participated in Agile development workflows and code reviews.

Web Development Instructor, *Shams Commercial Institute* — Karachi, Pakistan — 2025 – Present

- Teach Full Stack Web Development including HTML, CSS, JavaScript, React.js, Node.js, Express.js, and databases.
- Designed industry-oriented curricula with practical projects and hands-on coding sessions.
- Mentored students in Git, GitHub, REST APIs, responsive design, and deployment practices.
- Guided students in building complete real-world web applications from scratch.
- Helped students prepare portfolios and technical interview projects.

EDUCATION

BS Computer Science, *Salim Habib University* — Karachi, Pakistan — 2022 – 2026

SKILLS

Programming Languages: JavaScript (ES6+) | TypeScript | Python | SQL
Frontend Development: HTML5 | CSS3 | Tailwind CSS | Bootstrap | React.js | Next.js | Responsive Web Design
Backend Development: Node.js | Express.js | Django | Flask | REST API Development | Authentication & Authorization
Databases: PostgreSQL | MySQL | Prisma ORM
Cloud & DevOps: AWS ECS | Docker | Terraform | GitHub Actions | CI/CD Pipeline
Tools: Git | GitHub | Postman | VS Code | Figma | npm | Linux | Vercel

LANGUAGES

English (Professional Working Proficiency) • **Urdu**

PROJECTS

Shams Student Management System, *Next.js • TypeScript • Prisma • PostgreSQL*

- Built a complete student management platform for coaching institutes.
- Implemented student registration, attendance, fee management, reporting, and authentication.
- Reduced manual record management by digitizing institute operations.

- Designed an admin dashboard for efficient student tracking.

IndusConnect (Enterprise Logistics System), *Next.js, TypeScript, Node.js, Prisma*
- Developed a modular enterprise resource system to manage transport and accommodation logistics for the Indus Hospital and Health Network.
- Engineered a secure authentication architecture utilizing exclusive administrator-defined role provisioning, completely eliminating standard user registration vulnerabilities.
- Designed and integrated complex relational database schemas to track real-time logistical data and user assignments.
- Collaborated closely with a co-developer to define project scope boundaries, system architecture diagrams, and proposal defense materials.

AWS ECS Commerce Microservices, *AWS ECS • Docker • Terraform • GitHub Actions*
- Designed and deployed a cloud-native e-commerce microservices architecture.
- Containerized frontend and backend services using Docker.
- Automated deployments using GitHub Actions.
- Provisioned AWS infrastructure with Terraform.

ACHIEVEMENTS

- Developed multiple full-stack web applications using modern technologies.
- Built cloud-native applications using AWS ECS, Docker, and Terraform.
- Mentored students in modern web development and software engineering practices.
- Designed scalable database-driven applications using PostgreSQL and Django.
- Built AI-powered educational applications integrating machine learning models.