



AWAIS ALI - SR. SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Senior Frontend Engineer with 8+ years of experience building scalable, user-centric web applications for startups and enterprise clients. Strong expertise in React, TypeScript, and modern frontend architecture, with hands-on experience delivering high-traffic customer-facing platforms, POS systems, and admin dashboards. Proven ability to work independently in remote environments and collaborate with cross-functional global teams.

EDUCATION

- **Undergraduate Education (2011 – 2015)**

Bachelor's in Software Engineering

Bahria University, Islamabad

WORK EXPERIENCE

- **Senior Software Engineer at Next Order (Hybrid)(Feb '22 – Current)**

- **Job Responsibilities:**

- Developed and maintained large-scale customer-facing online ordering platforms using React. which you can see in our dev environment, i.e., <https://customer-website.nextorder.co>
 - Implemented complex menu structures, modifiers, vouchers, loyalty programs, and Stripe & Adyen payments.
 - Worked on restaurant POS systems supporting kiosks, split payments, dine-in layouts, and multi-device environments.
 - Built and enhanced admin panels for order management, reporting, shifts, and operational settings.
 - Collaborated with remote teams to deliver stable, scalable features for live production systems.
 - Products can be seen at <https://nextorder.com>

- **Senior Software Engineer at Emumba, Islamabad** (Jan '20 – Feb '22)
 - **Job Responsibilities:**
 - Led frontend development for a Zero Trust Network Access (ZTNA) application (Web + Electron Desktop).
 - Contributed to **Polarr**, a photo-editing application with 20M+ users, focusing on UI components and performance.
 - Built enterprise tools, including **Aera Developer Workbench**, an ETL and analytics platform.
 - Mentored junior engineers and contributed to architectural decisions.
- **Development Team-lead at Incline Artificial Intelligence, Islamabad** (Jun '18 – Jan '20)
 - **Job Responsibilities:**
 - Worked on a Surveillance System (Frontend in React-Redux and RESTful APIs in Python Flask) and MongoDB (NoSQL).
 - Worked on Drone Configurator (Frontend in React-Redux and RESTful APIs in Python Flask).
 - Worked on ERP System (Frontend in React-Redux and RESTful APIs in ASP.NET) and PostgreSQL.
 - Worked on LMS (Leave Management System) (Frontend in React-Redux and RESTful APIs in ASP.NET) and PostgreSQL.
- **Software Developer at Burqstream Technologies, Islamabad** (Apr '17 – May'18)
 - **Job Responsibilities:**
 - Worked on an application, IntelliSky Studio, developed in C# (WPF), an app for calculating different indices on different types of images to calculate the health of greenery/green lands.
 - Developed a portal for VASI on PHP (Code Igniter) and HTML, and CSS, one of our company's products related to TV advertisements, and on the Portal, multiple types of reports can be visualized.
- **Early Career Roles** (Aug '15– Apr '17)
 - SAP / IT Executive — Toyota Garden Motors
 - Full-Stack Web Developer — Pakistan Testing Service
 - SQA Engineer — Altair Technologies (Jadoo TV)

EXPERTISE, SKILL & TOOLS

- **Frontend:** React.js, TypeScript, Next.js, Redux, Hooks, Context API
- **Backend (Working Knowledge):** Node.js, Python Flask, ASP.NET
- **Web Technologies:** HTML5, CSS3, JavaScript (ES6+), REST APIs
- **Databases:** PostgreSQL, MongoDB, MySQL, SQL Server
- **Tools & Practices:** Git, Jira, Agile/Scrum, Firebase, JWT
- **Other:** Electron, WebGL (Basics), POS & Payment Integrations

PROJECTS & DEVELOPMENT

- **Restaurant Ordering & POS Systems**
 - Web-based ordering, payments, admin, and reporting tools.
 - *Frontend in ReactJS, React Hooks, Custom React Hooks, Context APIs, Redux, etc.*
- **ZTNA Security Application**
 - Secure access platform built with React, TypeScript, and Electron.
 - *Frontend in ReactJS, React Hooks, Custom React Hooks, Context APIs, Redux, etc.*
- **Polarr – Photo Editing App**
 - It is a photo editing app with over 10M+ users where they can create and share styles.
 - *Frontend in ReactJS, React Hooks, Custom React Hooks, Context APIs, Redux, WebGL, etc., i18next.*
- **Aera Developer – Data Workbench**
 - It is an ETL tool to extract data from multiple types of DBs and sources like SAP, Oracle, MSSQL, MySQL, etc., to perform business analytics
 - *Frontend in ReactJS, React Hooks, Custom React Hooks, Context APIs, Redux, etc.*
- **I-Resource Management System**
 - Managing employees, including the leave management system on which each employee can log in and apply for leave, and check the status; furthermore, there are HR and Finance-related modules as well.
 - *Frontend in React-Redux, RESTful APIs in .Net, and PostgreSQL.*
- **Surveillance System**
 - IAI's Surveillance is an ideal and intelligent security solution that provides a fast and accurate attendance and monitoring solution, which has been developed with robust facial detection and recognition techniques. This solution is both for indoor and outdoor security services.
 - *Frontend in React-Redux, RESTful APIs in Python Flask, and MongoDB (NoSQL).*
- **Drone Configurator**
 - IAI Smart Self-Flying Drone is an autonomous drone that can complete pre-configured tasks inside it or can be done through a frontend web portal. The features include package delivery, rescue situations, surveillance, and monitoring. Furthermore, the IAI drone also has the provision of remote-controlled movement.
 - *Frontend in React-Redux, RESTful APIs in Python Flask, and MongoDB (NoSQL).*
- **ERP for recruitment**
 - To manage the recruits from registration till passing out, including exams, trade allocation, etc., at EME Center, Quetta
 - *Frontend in React-Redux, RESTful APIs in Python Flask, and PostgreSQL.*
- **IntelliSky Studio**
 - An app for calculating different indices on images from different types of sensors, i.e., Parrot Sequoia and Slant Range, to calculate the health of greenery/green lands.
 - *C# (WPF).*

- **VASI Web Portal**
 - It is one of our company's products related to TV advertisements. The process is to detect the advertisements from the live channels and process them in real-time through a desktop app, and then after that, this data is used for reporting purposes which can be visualized along with the data in the Portal.
 - *PHP (Code Igniter), HTML, CSS, JS, and jQuery based on the Metronic Template.*
- **Reports Tool**
 - An app for the assistance of different departments to view the Crystal Reports corresponding to their department, i.e., an in-house utility. All the departments, Crystal Reports, and users can be managed through the app by the Admin, and there are different views/rights based on uses i.e., Admin, Manager, or a simple end-user.
 - *C# (Winform), SQL, Crystal Reports, and Microsoft PowerPoint.*
- **Maintenance Reminder System**
 - An app for the assistance of the MRS department to take the follow-up to remind the customers of their next estimated work, which will be shown in the app according to the previous history of the customer, and can view the reports accordingly, and much more. This system is further integrated with SAP Business One, which is implemented in Toyota Garden Motors.
 - *C# (Winform), SQL, Crystal Reports, SAP DI API.*

ACHIEVEMENTS & COMPETITIONS

- Nominated for the best actor award in GIKI drama fest '12.

VOLUNTEER WORK

- **PAINTISTAN '12:** Operation Manager in Arts & Dramatics Competition at Bahria.
- **GKI Drama fest '12:** Leading actor in a Space Technology-type drama (Genre: Funny).
- **COVID-19 Awareness Dashboard:** Built a global COVID-19 dashboard visualizing case trends and statistics, combined with public health guidelines, focusing on clear data visualization and accessibility for non-technical users.

HOBBIES & INTERESTS

- Drafting creative ideas, Programming,
- Poetry, Table Tennis, Social Networking.