

Waqas Ayaz

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EDUCATION

Sukkur Institute of Business Administration (IBA) University

2020 - 2024

Bachelor of Science in Computer Science

- **Relevant coursework:** Cloud Computing, Mobile Application Development, Enterprise Application Development, Artificial Intelligence, Database Management Systems, Data Structures and Algorithms.

WORK EXPERIENCE

Greeka LTD

September 2024 - Present

Full-time Frontend Developer

Remote (Greece)

- Developed and maintained **enterprise-grade** travel apps with Next.js (TypeScript), using **Redux/Recoil** for state management and custom styling with **CSS, Material UI, and Bootstrap SCSS**.
- Improved **security** and performance by implementing lazy loading and advanced JavaScript techniques including **debounce, memoization, tree shaking**, and **code splitting** with a focus on **mobile** optimization and achieving **99%** accuracy in **RTL design** and **content rendering**.
- Achieved **100% Lighthouse accessibility** and **performance** scores across devices (iPad, tablet, mobile, desktop) with pixel-perfect layouts.

Muslim Commercial Bank (MCB)

June - August 2024

Internship

Sukkur, Sindh

- Refactored existing **Java** code, streamlining **database queries** and **optimizing loops**, enhancing **execution speed** by **25%**.
- Designed and optimized **Java applications**, implementing **caching and refactoring techniques** to reduce system response time by **2 seconds** and enhance performance.
- Improved **query execution** speed by **30%** in **Java** applications by optimizing **SQL queries** and **connection pooling** with **JDBC**.

EduTrainia

November – December 2023

Web Development Internship

Remote (Pakistan)

- Refactored **React** components and optimized **lifecycle** methods, resulting in a **20%** decrease in page load time.
- Implemented **server-side rendering (SSR)** with **Next.js**, improving **SEO** and decreasing time-to-first-byte by **40%**.
- Streamlined API integration with **Express** and **React** by optimizing **middleware** and **data fetching logic**, reducing response time by **50%**.

EESS Solutions

July – August 2023

Web Development Internship

Karachi, Sindh

- Utilized **React** frontend to integrate **AI models** via connection to **API endpoints**, enabling **real-time data processing**.
- Addressed **MongoDB query bottlenecks** and **React re-render issues**, reducing **API response time** from **10 seconds** to **3 seconds**.
- Developed four key features in React and Express, including **advanced data validation, robust form error handling**, and **real-time notifications**, leading to a **40%** drop in customer support inquiries.

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, Python, TypeScript, HTML/CSS, C#.
- **Technologies:** React.js, Next.js, Node.js, Nest.js, Express, Prisma, MySQL, PostgreSQL, MongoDB.
- **Developer Tools:** Git, Visual Studio, IntelliJ, Google Cloud, Microsoft Azure, Android Studio, Postman, Docker, BrowserStack.

PROJECTS

FerryTickets

- Collaborated with a team of frontend and backend developers to build a high-performance [Ferry booking platform](#) for routes across Europe.
- Leveraged **React 19** features like concurrent rendering and **Next.js 15 (App Router)** for seamless **SSR**, dynamic routing, and data fetching.
- Developed scalable UI with **React-Bootstrap** and **SCSS**; implemented Next.js middleware and schema validation for secure auth flows.
- Optimized performance with code splitting, **lazy loading**, and **Lighthouse CI**, achieving **100 desktop** and **95+ mobile** scores.

FerryTickets – Admin Panel

- Led development of a modular [Admin dashboard](#) in **React 18**, **Next.js 13 (Pages Router)**, and **Material-UI** with **12+** interconnected modules (companies, vessels, accommodations, reservations, etc), full **CRUD** and **calendar/time logic** — boosting admin efficiency by **85%**.
- Built secure, reusable forms with **React Hook Form**, **Yup**, and middleware validation; implemented **Recoil** state, drag-and-drop with **react-beautiful-dnd**, and custom **MUI DataGrids** with inline editing and real-time mapping for **100+ ferry routes**.

SIBAIInTouch, Final Year Project (FYP)

- Led the development of a [Full Stack Issue Tracking Web App](#) for the university, allowing students to submit issues, track status, and request courses. Faculty can review, escalate issues to different levels, provide feedback, and manage requests.
- Built the app using **Next.js 14 (App Router)** with **TypeScript**, **Prisma ORM (MySQL)**, **NextAuth** for secure authentication, and **Zustand** for global state. Integrated **TailwindCSS** and **RadixUI** for a responsive UI, and deployed the application on **Vercel**.

Gamehub

- Built a [Video Game Frontend Store](#) where users can filter games by rating, genre, or operating system, watch trailers, and search for games.
- Utilized **React**, **Tanstack Query** for efficient data fetching, and **Zustand** for lightweight, optimized state management.