Hanzla Sibghat Software Engineer

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PROFESSIONAL EXPERIENCE

Software Engineer, *National Database & Registration Authority*   02/2024 – 07/2024 | Islamabad, Pakistan
- Developed automated **IoT-integrated kiosks** and **One App Nadra** using **NestJS** and **Next.js**, achieving a **45% reduction** in manual processing.
- Streamlined service workflows with Next.js and NestJS, decreasing processing times by **40%** and **improving** customer service efficiency.
- Applied state management techniques with **Redux** and **React** Context, **improving** data flow and reducing page reloads by **25%.**
- **Improved** user satisfaction and **lowered** bounce rates by **15%** through sophisticated UI/UX enhancements with Material-UI.
- **Increased** system reliability by raising uptime by **20%**, thanks to the design and implementation of robust error-handling middleware and API optimizations.

Software Engineer, *PLC Group (remote)*   06/2023 – 02/2024 | Canada
- Designed scalable GraphQL APIs using **TypeScript**, which **decreased** query complexity by **35%**.
- Accelerated data fetching by **50%** by utilizing **React Query** and optimizing GraphQL operations.
- Achieved exceptional **test coverage** of **95%** through thorough unit and integration tests built with **Jest** and the **React Testing Library**.
- Enhanced backend **performance** by integrating **Redis** for caching and streamlining state management with Redux Toolkit.
- Worked closely with stakeholders and the frontend team to deliver business-critical features on schedule, while upholding superior code quality.
- Reduced API **response times** by **40%** through cross-departmental collaboration, yielding significant UI/UX advancements.

React Developer, *Zuntech Technologies*   01/2023 – 06/2023 | Islamabad, Paksitan
- Achieved **100% on-time** project delivery by leveraging Jira for task tracking and Slack for seamless team communication.
- Ensured efficient data exchange and **optimal performance** by connecting frontend components with REST APIs.
- Designed and implemented responsive UI components using **React.js**, **TypeScript**, and **SCSS**, enhancing user accessibility across multiple devices.

SKILLS

CSS | HTML | JavaScript | Node Js | Express Js | Python | React | Next.js | NestJS | TypeScript | Redux Toolkit | Context API | Material-UI | Tailwind | UI/UX Design | GraphQL | React Query | Jest | React Testing Library | Redis | API Development | SCSS | RESTful API Integration | React Hook Form | Lazy Loading | Jira | PostgreSQL | MySQL | MongoDB | Prisma | TypeOrm | Error-Handling Middleware | Drizzle | Postman | CI/CD | Dockers | Team Collaboration | English (C1) | German (A1)

EDUCATION

Master in Computer Science (MSCS, *University Passau*   10/2024 – present | Passau, Germany

Bachelor in Computer Sciences (BSCS),   08/2019 – 06/2023 | Islamabad, Pakistan
FAST - National University of Computer and Emerging Sciences