CURRICULUM VITAE

# Personal Information

Name Hanzla Sibghat

Date of Birth 24.03.2001

Nationality Pakistani (Residing in Germany, Bavaria, Passau)

LinkedIn <https://www.linkedin.com/in/hanzlasibghat>

Github <https://github.com/hanzla-sib/>

# **Education**

## Since 10/2022 Master in Computer Science, University of Passau, Bavaria, Germany

## Focus areas: Software Engineering

11/2017 – 10/2021 **Bachelor in Computer Science,**

## National University of Computer and Emerging Sciences, Islamabad, Pakistan

Focus area: Software Designing and Web Development

FYP: “[Remote Care : It delivers healthcare and monitoring digitally using uses smartwatch sensors, ensuring convenient, real-time support for patients.](https://github.com/hanzla-sib/Remote-Care-Web)”

# **Professional Experience**

02/2024 – 07/2024 **Software Engineer, National Database and Registration Authority (NADRA)**

Contributed to the development and optimization of cutting-edge web applications for NADRA, Pakistan's national identity authority, streamlining citizen services and enhancing system performance.

* **One App (National Identity System):** Designed and implemented a **scalable** platform for citizens to apply for and renew national ID cards entirely online. Leveraged **React.js**, **Next.js**, and **NestJS** to build a robust frontend and secure API gateway, reducing processing times by **40%** and boosting application success rates by **30%**.
* **KIOSK-NADRA:** Developed a secure self-service kiosk system with **biometric integrations**, enabling ID renewals through IoT-based fingerprint and **iris capture** devices. **Automated workflows** reduced manual assistance, cutting queue lengths by **30%** and enhancing efficiency by **45%**.
* Implemented **Redux Toolkit** and **React Context API** for advanced state management, improving data flow consistency and reducing debugging time by **40%**.
* Refactored legacy React code into modular, maintainable components, decreasing code duplication by **35%** and enabling future scalability.
* Collaborated with cross-functional teams to ensure seamless project delivery, adhering to Agile principles and fostering open communication. Mentored two junior engineers in advanced **React** concepts and coding standards.
* Developed intelligent lazy loading and code-splitting strategies, achieving **99.8% uptime** during critical operations.

## 06/2023-02/2024 Software Engineer, PLC Group (Remote), Canada

Contributed to cutting-edge automation and analytics platforms for telecom and data centers, enhancing operational efficiency and hardware management capabilities

* Designed reusable and responsive UI components using **React.js** and **Tailwind CSS**, reducing UI development time by **20%** and improving maintainability.
* Automated hardware site processes for **AXIN FE**, cutting on-site configuration times by **60%** and enhancing user experience with modern, user-friendly interfaces.
* Built scalable APIs with **NestJS**, **TypeScript**, and **Apollo Server**, implementing advanced pipe validations to ensure data integrity and increasing backend performance by **40%**.
* Optimized real-time data fetching with **GraphQL subscriptions** and **React Query**, improving data consistency and reducing refresh intervals by **50%**.

01/2023 – 06/2023 **React Developer, Zuntech Technologies, Pakistan (Part Time)**

Backend Engineer for a startup

* Collaborated closely with the CTO and engineering lead to develop and implement dynamic components using modern JavaScript libraries and frameworks, including **React.js**
* Ticketing on Jira, version control on Git/GitHub and communication on Slack.

**Technology Stack**

**Frontend Stack:** Next.js, Redux Toolkit, React Query, React Hook Form, SCSS, Styled-Components, Bootstrap, Tailwind CSS, Material-UI, Chakra UI, Ant Design Webpack, Babel, Vite

**Backend Stack:** Node.js, Express.js, NestJS, TypeScript, Redis JSON Web Tokens (JWT), Socket.IO, WebSocket’s, GraphQL (Apollo Server, Nexus), REST APIs.

**Databases:** PostgreSQL, SQL server, MySQL, MongoDB, Redis, Firebase Fire store.