Hassan **Shahzad**

SENIOR FULL STACK DEVELOPER

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About Me

Results-driven Developer with 5 years of experience in building scalable applications, optimizing system performance, and leading teams. Skilled in delivering reliable, high-impact solutions for both Fortune 50 companies and innovative research projects. *(Note: I do not require Visa Sponsorship)*

Skills & Technologies

Skills:	Full-Stack Development | Web-Development | Java Development | Team Leadership | Agile Methodology
Languages:	Python | Java | JavaScript | TypeScript | Rust
Framework & Libraries:	ReactJS | Spring Boot | Mantine | GraphQL | RestAPIs
Databases:	MySQL | MongoDB
Tools & DevOps:	Git | AWS | Docker | Kubernetes

Languages

- English (Fluent)
- French (Beginner - *Actively Improving*)

Work Experience

EPFL *(École Polytechnique Fédérale de Lausanne)* — *Switzerland*

Senior Full Stack Developer — *Mar 2024 – Present*

Python | ReactJS | TypeScript | GraphQL | MongoDB | Docker | AWS | Rust | NodeJS | MySQL | Rest APIs | Helm Charts

- Designed and deployed scalable data infrastructure for GBDI (Global Building Data Initiative), improving data processing speed by 30% through optimized AWS pipelines.
- Engineered ReactJS web applications and APIs to resolve 3 critical user pain points (e.g., fragmented data access, slow query response) for GBDI's global building materials database.
- Built scalable architectures for cross-functional research projects, enhancing system efficiency by 20%.

IBM — *Pakistan*

Lead Full Stack Developer — *Jul 2022 – Nov 2023*

ReactJS | Java | Spring Boot | Python | MySQL | Kafka | Docker | NodeJS | Jira | Rest APIs | AWS

- Led the development of microservices architecture, reducing deployment time by 75%.
- Designed and executed CI/CD pipelines for containerized applications on AWS, resulting in a significant increase in delivery speed.

Shanghai Zixel — *Pakistan*

Full Stack Developer — *Apr 2022 – Jul 2022*

Java | Spring Boot | MySQL | Python | Jira | Restful APIs | AngularJS

- Developed microservices-based applications, reducing response time by 40%.
- Transformed server-side architecture with cutting-edge technologies including Spring Boot and MySQL.

Think Vision — *Pakistan*

Full Stack Developer — *Sep 2020 – Mar 2022*

ReactJS | NodeJS | React Native | Firebase | Flask | Python | Git | Jira | Spring Boot

- Designed and developed a ReactJS website integrated with a mobile app, achieving real-time notifications via a linked database.
- Built and deployed a microservice on Kubernetes, improving monitoring and updates by 20%.

Education

National University of Computer and Emerging Sciences – FAST — *Islamabad, Pakistan*

Bachelor in Computer Science — *2018 - 2022*

Certifications

You can find all my certifications here