Queens, NY 11106 • (646) 232-7806

E-mail: saadhzubairi@outlook.com

LinkedIn:linkedin.com/in/saadhzubairi

GitHub: github.com/saadhzubairi

Summary

Master's student at NYU Tandon with a strong background in full-stack development and hands-on experience in Machine Learning. Proficient in TypeScript, Java, Python, tools/libraries like Next.js, React, and Nest.js, and database design.

Education

New York University, Tandon School of Engineering, New York, NY MS Computer Engineering, focusing on Machine Learning and Software Engineering

IBA Karachi

BS Computer Science

Final Year Project: Talent Hive - An automated NLP based recruitment portal model trained on 1000+ resumes, effectively shortlisting the top 10% of resumes for specific job roles. Portal Development on MongoDB, Express, React.js, and Node.js with additional microservices made using Fast API. Employed Firebase Storage and AWS for safe file handling.

Work Experience

- Lead Full-Stack Software Engineer, Sadiq.ai, Karachi,
- Led a team of 5 engineers to develop SupportSphere—a unified healthcare management system.
- Architected the web application from scratch, including designing the database schema.
- Spearheaded the end-to-end development of the application using <u>Next.is</u> and <u>Nest.is</u> with <u>TypeScript</u>. _
- Developed and optimized front-end components in Next.js and handled <u>90% of the back-end</u> using <u>Nest.js</u>.
- Ensured compliance with WCAG and ARIA standards by integrating accessibility features.
- Managed 6 AWS servers and automated their CI/CD pipelines for efficient deployment.
- Technology Analyst, United Bank Limited, Karachi, .
- Developed and enhanced 30+ Java based core banking APIs for Temenos Infinity migration.
- Coded 5 user journeys, comprising of 23 screens, utilizing JavaScript and Quantum Visualizer.
- Debugged legacy .NET backend, ensuring smooth operation.
- Front End and UX/UI Intern, Run Sports LLC, New York
- Designed 15 user journey wireframes, prototypes, and mockups for a gamified social media app using Figma.
- Programmed 20+ interactive UI elements and 5+ animations in Unity for user interface development.
- Elevated engagement and retention by 37% by introducing a reward system and a leaderboard experience.

Projects

- SupportSphere: An AI-Powered unified healthcare portal made using Next.is, Nest.is, Prime React, Postgresql, and Firebase, with CI/CD managed by GitHub on Amazon EC3 Instances. Built with a heavy focus on simplicity and uniformity. Engineered over 20 user journeys while using Jest as the testing framework.
- **Hoops:** An anonymous letter writing application crafted using the MERN stack encompassing 15+ functionalities • with a complex front-end made entirely from scratch on React.js with CSS and a robust backend made on Node.js and Express.js.
- **Pixel Cut:** A 2D Platformer game designed in Unity focused around a challenging yet gratifying player experience.

Skills

- **Programming Languages:** Java | Python | JavaScript | TypeScript | C/C++ | HTML5 | CSS3
- Frameworks & Libraries: | Next.js | Nest.js | React.js | Node.js | Flutter | SDL 2.0
- Database Management: MySQL | PL/SQL | MongoDB | JSON | PostgreSQL | Prisma ORM
- Tools & Protocols: Oracle-19c | Git | Blender | Unity | Figma | Jest | REST API | GraphQL
- Graphics & Multimedia: Photoshop | Premier Pro | After Effects

Certifications & Achievements

- Google UX Design Certification (7-course specialization on UX designing).
- Google IT Automation in Python (6-course specialization on Python Programming).

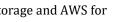
Aug 2024 - May 2026

Aug 2019 - May 2023

May 2024 - Aug 2024

Dec 2022 - Jan 2023

Jul 2023 - May 2024



Developer Portfolio

Saad Zubairi