

Shakir Hussain

FULL-STACK WEB DEVELOPER

[Portfolio](#)

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Software Engineer with a love for Full-Stack development and clean code. Passionate about Crafting Dynamic Web Solutions, Pair-programming, and Collaboration. Commonly used technologies include Ruby on Rails, MERN, HTML, and CSS.

EXPERIENCE

FAST NUCES, *Karachi, Pakistan*

Teacher/Lab instructor | Feb 2023 – current

- Mentor upcoming programmers/developers, delivering lectures on a weekly basis to 3 different sections, averaging 40 students per section.
- Provide advice and tips on how to develop logic building/ problem-solving skills, and analyze algorithms.
- Assess student work on a weekly basis and provide feedback to improve code quality and problem-solving.

MICROVERSE, *Remote*

Mentor (Volunteer) | Jan 2023– current

- Mentor 2 junior web developers, providing technical support through code reviews.
- Propose improvements to code organization to improve code quality and overall performance.
- Provide advice and tips on how to stay motivated to maintain longevity in the program.

EDUCATION

MICROVERSE | Sept, 2022– current

Remote Full-Stack Web Development Program, Full Time

- Spent 1300+ hours mastering algorithms, data structures, and full-stack development while simultaneously developing projects with Ruby, Rails, JavaScript, React, and Redux.
- Developed skills in remote pair-programming using GitHub, industry-standard Gitflow, and daily standups to communicate and collaborate with remote developers.

FAST NUCES | Aug, 2018– June, 2022

Bachelor's In Computer Science, Software Engineering

- Compiled research findings and wrote a research paper on detection of DDoS attacks and their mitigation using the concept of honeypot and trust management. Created a prototype to show results of the above-mentioned research topic.

SKILLS

Languages: C, C++, JavaScript, Ruby, Python.

Web Development: HTML5, CSS3.

Libraries/Frameworks: React, Redux, Express, Rails, Node, Bootstrap, Material UI, Materialize, SASS, Rspec, Jest.

Tools & Methods: MySQL, PostgreSQL, MongoDB, Git, GitHub, Chrome Dev Tools, Rswag, Netlify, TDD, Gitflow, REST API, Figma.

Professional: Remote Development, Pair Programming, Problem-solving, Teamwork, and Mentoring.

PROJECTS

SnapScan: Interactive Full-stack app that allows users to first register/login, then add/delete different categories and games within each category along with their prices.

- **Built with:** HTML5, CSS3, Materialize, Ruby on Rails, PostgreSQL.

[GitHub Repo](#) | [Live Demo](#)

Car-BnB: Full-stack App that was built in collaboration with 3 other members. The application was built as 2 separate apps where Ruby on Rails served as an API for React to consume and interact with the database to add/remove/reserve cars.

- **Built with:** HTML5, CSS3, JavaScript, Ruby on Rails, React, Redux, PostgreSQL.

[GitHub\(API\)](#) | [GitHub\(UI\)](#)