



Westford, MA 01886

Syed Hamza Ali

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Full-Stack Software Engineer

A full-stack engineer with a passion for coding. Pursuing an occupation that progresses my understanding of building scalable cloud applications

SKILLS

LANGUAGES: Javascript, SQL, Python, HTML, CSS, Java

PROFICIENCIES: Full-Stack Web Development, Front-End Web Development, React, Node.js, Express, MongoDB, NoSQL, SQL, Django, Git, Mocha, Chai, Heroku, Vercel, Fly, Github Pages, Postgres, Database Architecture, Data Structures, Algorithms, Version Control, REST API, Linux/Unix, Optimization, Agile Scrum Team, Data Analysis, Web Scraping

TOOLS: Microsoft Excel, Microsoft Word, Microsoft PowerPoint, Windows 10, Github, zsh, Slack

INTERPERSONAL LANGUAGES: Fluent in Urdu, English, Hindi, Conversational in Punjabi and Spanish, and literate in Arabic

PROJECTS

Proshare: A project sharing platform for developers containing full CRUD functionality and a google-auth based user model joining a front-end built in Javascript and CSS through React on a GitHub Repository, and deployed on AWS Amplify and Netlify incorporating CI/CD. Includes a back-end built in Node.js and Express on a GitHub repository, connected to a MongoDB database and deployed on Heroku.

Front-End Deployed: <https://main.d2onbrm7luopl1.amplifyapp.com>

Repo: <https://github.com/shamzaali7/proshare-frontend>

Back-End Deployed: <https://github.com/shamzaali7/proshare-backend>

Repo: <https://proshare-backend.herokuapp.com/api/projects>

Connections: A virtual rolodex with a contact interface allowing full CRUD functionality joining a front-end built in Javascript and CSS through React on a GitHub Repository, and deployed on Vercel incorporating CI/CD. Includes a back-end built in Javascript using Node.js and Express on a GitHub repository, connected to a MongoDB database and deployed on Heroku.

Front-End Deployed: <https://connection-frontend-api.vercel.app/main>

Repo: <https://github.com/shamzaali7/connection-frontend-api>

Back-End Deployed: <https://connection-backend-api.herokuapp.com/api/contact>

Repo: <https://github.com/shamzaali7/connection-backend-api>

NBA Stat Comparison: A player comparison app with updated stats incorporating the use of links and routes, and calling REST API's. Built in Javascript and CSS through React on a GitHub repository, and deployed on Vercel incorporating CI/CD

Front-End Deployed: <https://nba-stat-comparison.vercel.app/>

Repo: <https://github.com/shamzaali7/nba-stat-comparison>

Spaceman: A user-friendly hangman game incorporating audio effects and local storage built in vanilla Javascript, CSS, and HTML through Visual Studio Code on a GitHub repository, and deployed on Github Pages incorporating CI/CD

Front-End Deployed: <https://shamzaali7.github.io/spaceman/>

Repo: <https://github.com/shamzaali7/spaceman>

EXPERIENCE

General Assembly

Software Engineering Fellow

Boston, MA

October 2022 – January 2023

- Bootcamp involving 420 hours of hands on practice learning and experiencing the technologies listed below and incorporating them in real world projects and applications listed in the projects section.
- Working and learning in a collaborative environment, and building programs with software engineers (via the Connections App).

Languages: Javascript, Python, SQL, CSS, HTML

Skills-Proficient: Full-Stack Development, React.js, Node.js, Express, Git, Github, Github Pages, MongoDB, Heroku, AWS Amplify, Vercel, Netlify, Fly

Skills-Intermediate: Python, Python3, Django, PostgreSQL, SQL, Mocha/Chai

Quanterix

Planar Manufacturing Associate

Billerica, MA

September 2021 – June 2022

- Primary Operator for Source Plate preparation and production for Planar Department ELISA assays (Immuno-spot assays).
- Proficiency in protein purification via A/G spin columns, buffer exchange, PD-10 column purification, dialysis and syringe filtration.
- Primary operator for calibrator formulation, dilution and lyophilization.
- GMP and GDP adherence, and NCMR and deviation resolution.

Islamic Society of Greater Lowell

Tutor

Chelmsford, MA

August 2019 – December 2020

- Aided students in their academic learning and growth
- Taught core subjects such as English, Science, and Math
- Provided personalized feedback to assist student development

University of Massachusetts Residence Education

Resident Assistant

Amherst, MA

January 2019 – May 2019

- Managed logistics and finances to plan multiple residential events
- Provided paraprofessional advising to over 40 undergraduate students from ethnically diverse backgrounds
- Cultivated a positive living environment designed to link community, faculty, and residents; often resolving conflict

Lab USA Internship

Lab Assistant

Haverhill, MA

May 2017 – August 2018

- Conducted tests on various blood and urine samples for drugs, pregnancies, and diseases
- Assisted multiple employees with their upper level testing in a fast paced environment requiring efficiency

EDUCATION

General Assembly

Software Engineering

Boston, MA

Candidate, January 2023

University of Massachusetts, Amherst

School of Health Sciences

Amherst, MA

Bachelor of Science in Kinesiology Track: Pre-Medicine

Candidate, May 2019