Hasan A. Zaidi

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EDUCATION

Bachelor of Science in **Information Technology** | Minor**: Mathematics**   Graduation Date: **December 2024**

University of South Florida | GPA: 3.70   **Tampa, FL**

Key specialized courses: Software System Development, Data Structures and Algorithms, Cloud Computing, Advanced Database Design, DevOps, Web Design

RELEVANT EXPERIENCE

QA Automation Engineer Intern, WebstaurantStore, Lititz, PA   May 2023 – Aug 2023

- Developed and maintained **over 30 automated test scripts** using **Selenium WebDriver** and **Groovy**, leading to the identification of **15+ critical defects**, improving software stability.
- Conducted **regression testing** across **5+ major application releases**, ensuring **99.5% reliability** in critical workflows.
- Implemented **Agile methodologies** to design and optimize **Reusable Modules**, reducing coding time by **20%** and enhancing test case reusability, resulting in faster sprint cycles.
- Enhanced automated test suite performance, improving test execution time by **25%** through script optimizations, reducing total test runtime from **4 hours to 3 hours**.

Web Development Intern USF Global Tech, University of South Florida, Tampa, FL   May 2022 – August 2022

- **Developed and optimized over 10 web applications** using HTML, CSS, and JavaScript, improving load times by an average of 30%.
- **Leveraged front-end frameworks such as React and Angular** to create dynamic and responsive user interfaces, resulting in a 25% increase in user engagement.
- **Designed and implemented server-side logic and APIs with Node.js**, enhancing application functionality and performance, leading to a 40% reduction in server response time.

KEY PROJECTS

School Dashboard   *GitHub Repository*   August 2024 – October 2024

- **Led a team of 4 Developers across multiple countries** to design and develop a full-stack web application for managing student and staff information in a school system, streamlining administrative tasks for over **500 students and 40 staff members**.
- Enabled administrators to manage student data efficiently, handling up to **1,000+ student records** with real-time validation to prevent duplicate entries.
- Implemented **role-based access control**, allowing parents to view their children's data (e.g., report cards, attendance) without compromising security.
- Built a feature for **managing teacher absences**, with **substitute teacher assignments** completed in under **10 seconds** using efficient database queries.

Health and Fitness Web App   *GitHub Repository*   August 2024 – Present

- Developed a full-stack fitness application using **Flask** (Python) for backend and react for frontend.
- Implemented **RESTful APIs** to handle user authentication, workout logging, and progress tracking.
- Designed and optimized **PostgreSQL** database schema for efficient data storage and retrieval.
- Utilized **AWS S3** for storing approximately **10 GB** of user-generated content, such as workout photos and progress logs.
- Deployed the application on **AWS EC2**, maintaining **99.9% uptime** and ensuring reliable performance during peak usage.
- Optimized the database and API, resulting in a **15% improvement in response times** during peak usage hours.

SKILLS

- **Front-end**: HTML | CSS | JavaScript | React | Angular
- **Back-end**: Node.js | Express | Python | Flask | C# | Java
- **Databases**: SQL (MSSQL, TSQL, PostgreSQL) | MongoDB
- **Cloud & DevOps**: AWS (EC2, S3) | Azure DevOps | Docker | Kubernetes | Jenkins | Heroku
- **Version Control**: Git | GitHub
- **Other**: RESTful APIs | Agile/Scrum | Unit Testing | CI/CD | .NET

LEADERSHIP AND AFFILIATIONS

- ACM (Association for Computing Machinery), USF Student Chapter   Aug 2023 – Present
- SHPE (Society of Hispanic Professional Engineers)   Mar 2024 – Present
- USF Swimming Club (**Risk Manager Jan 2023 – present**)   Aug 2022 – Present