Hasan A. Zaidi

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OBJECTIVE

A detail-oriented team player committed to continuous learning and contributing impactful results in dynamic software development environments. Seeking an internship in software engineering role leveraging education and internship experience in coding, testing, troubleshooting, and project development.

EDUCATION

Bachelor of Science, Major in **Information Technology**   Graduation Date: **December 2024**
University of South Florida   **Tampa, FL**

Key specialized courses: Software System Development, Cloud Computing, **Data Structures and Algorithms**, Computer Networks, Penetration Testing, Bridge to **Abstract Mathematics**, Mathematical Statistics, Calc I-III, **Adv. Program Design**, Linear Algebra, Discrete Structures, **DevOps**, Adv. Database Design,

SKILLS

Platforms/Operating Systems:	Android, iOS, Windows 10/11, Mac OS, Linux, MS Office, **GitLab CI/CD**
Programming:	**C** (Array, Structures, Pointers), Rust (Ownership, Vectors, Enums), **C#** (.NET), **Java** (Object Oriented Programming), **JavaScript** (Express, Node, EJS, ReactJS), HTML, CSS, **Groovy**, **Python**, Dart, **Swift**.
Technologies/Environment:	MySQL, **MSSQL**, MATLAB, Eclipse, **Docker**, AutoCAD, **MS SQL Server**, Adobe InDesign, MS Visual Studio, Microsoft **.NET Framework**, **Selenium** Framework, **Kubernetes**, Azure DevOps, **Jira**, **Git**, GitHub, Flutter, **AWS** (EC2, S3, Polly, Rekognition), Juptyer Notebook, **Agile**, Scrum, **VMware**
Network tools:	Wireshark, Network Enumeration
Soft Skills:	Organized, **Analytical thinking**, Sequential work, Abstract views, **Communicative**, Detail oriented.

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** for software stability and defect identification. showcasing fast **adaptability** in a dynamic environment.
- **Conducted** regression testing to ensure software **reliability** and **performance**.
- Implemented **Agile** methodologies to **design** and **optimize** Common Classes, reducing coding time and promoting test case **reusability**.
- **Enhanced** automated test suite performance through **script optimizations**.

USF Global Tech Internship, USF, Tampa, FL   May 2022 – Aug 2022
- Applied HTML, CSS, and JavaScript for over **10 web development** projects.
- Utilized front-end frameworks like **React** and **Angular** to enhance user interfaces.
- Implemented **server-side** logic with **Node.js**.

KEY PROJECTS

Spotting The Hacker Project   Jan 2023 – May 2023
- Led a team of three students in the development of a robust C program for real-time **error checking** of incoming data packets.
- Implemented multiple error-checking methodologies, including **Checksum**, **Parity Check**, and **2D Parity Check**. The program efficiently read and processed data bytes, applying the respective error-checking algorithms to **ensure data integrity and reliability.**

Securing The Message Project   Jan 2023 – May 2023
- Developed a vigorous **RSA encryption algorithm** using Rust to enhance **message security**.
- Designed and implemented encryption algorithms while adhering to secure coding practices, ensuring **data confidentiality** and **integrity**.
- Emphasized encryption strength to establish a **secure foundation** for communication.

LEADERSHIP AND AFFILIATIONS

- IEEE Computer Society (member since 2022), USF Student Chapter   Dec 2022 – Present
- ACM (Association for Computing Machinery), USF Student Chapter   Aug 2023 – Present
- SHPE (Society of Hispanic Professional Engineers   Mar 2024 – Present
- USF Swimming Club   Aug 2022 – Present