# Hasan A. Zaidi

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## OBJECTIVE

A detail-oriented team player committed to continuous learning and contributing to impactful results in software development environment.

## 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** Reusable Modules, significantly reducing coding time and enhancing test case **reusability**.
- **Enhanced** automated test suite performance through **script optimizations**.

**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**.
- Leveraged front-end frameworks such as **React** and **Angular** to create dynamic and responsive user interfaces.
- Designed and implemented **server-side** logic and **APIs** with **Node.js**, enhancing application functionality and performance.

## 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.

## 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

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|---|---|
| Platforms/Operating Systems: | Android, iOS, Windows 10/11, Mac OS, Linux, MS Office, **GitLab CI/CD, ERP (Focus 9), CRM** |
| Programming: | **C** (Array, Structures, Pointers), Rust (Ownership, Vectors, Enums), **C#\*** (.NET), **Java\*,** **JavaScript** (Express, Node, EJS, ReactJS), HTML, CSS, **Groovy\***, **Python\***, Dart, **Swift**. |
| Technologies/Environment: | **SQL\*** (**MSSQL, TSQL, PostgreSQL**), MATLAB, Eclipse, **Docker**, AutoCAD, Adobe InDesign, MS Visual Studio, Microsoft **.NET Framework**, **Selenium\***, **Kubernetes**, **Azure** DevOps, **Jira**, **Git\***, GitHub\*, Flutter, **Postman**, Juptyer Notebook, **AWS** (EC2\*, S3, Polly, Rekognition), **Agile**, Scrum, **VMware** |
| Network tools: | Wireshark, Network Enumeration |
| Soft Skills: | Multitasking, **Analytical thinking**, Sequential work, Abstract views, **Communicative**, Detail oriented |

## 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                          Aug 2022 – Present

\* = (More than 2 years of advance level experience)