SYED WAJIH RIZVI

Email: syedwajihrizvi2000@gmail.com **| Linkedin**: linkedin.com/in/syed-wajih-rizvi **| Website**: syedwajihrizvi.com

EDUCATION

University of Waterloo August 2018 - August 2023

Mechanical Engineering | Computer Science Overall GPA: 3.4

Summary: Full-Stack developer with over 5 years of experience building scalable applications and performing automation testing.

SKILLS

Languages: Python, Javascript/Typescript, HTML/CSS, SQL

Frameworks/Libraries: Express, Django, React, React-Native, Slash, Jest Tailwind, Nativewind, ThreeJS, GSAP, Clerk

Databases: PostgreSQL, MySQL, MongoDB, Appwrite

Others: AWS, Git, UNIX/Linux, Docker

EXPERIENCE

Ford Motor Company | Lead Software Automation Engineer September 2023 - Present

- Developed over **900** automation test cases which covered cloud connectivity for Ford's next generation Vehicles
- Maintained a component code coverage of over **90%** and a branch coverage of over **95%** on all product code
- Provided **100% rainy day** coverage across all testing requirements ensuring each edge case was tested
- Reduced code duplication to **under 2%** across multiple components with nearly **100K** total lines
- Tools: **Python, Git, Jenkins, Testrails, Linux, Docker, Powershell**

Ford Motor Company | Software Engineer Intern September 2022 - January 2023

- Optimized functional tests to reduce runtime by **28%** for **Jenkin's** Nodes
- Developed CLI tools via **Python** to improve the analysis of log files by **44%**
- Improved testing speed by nearly **80%** through delivery of Android based automation tests using **Appium**
- Tools: **Python, Git, Appium, Selenium, Jenkins**

Solace | Software Engineer Intern September 2021 - January 2022

- Improved functional test speed by nearly **20%** by converting API from **XML** based to **JSON** based which reduced payload size and optimized response parsing
- Tools: **Python, Java, SVN**

ADP Canada | Robotics Process Intern April 2019 - September 2019

- Identified bottlenecks and automation opportunities in several Standard Operating Procedures which could reduce ADP's cost of operation by nearly **$500, 000**
- Tools: **Python, Selenium, Excel, Visio**

PROJECTS

Gamecom | *syed-rizvi-gamecom.netlify.app/* **|** *github.com/syedwajihrizvi/GameCom*

- Developed a full stack web application providing information on **millions** of video games
- Built **RESTful API** endpoints with **Express.js**, achieving **70%** faster responses through **CRUD** operations
- Reduced network usage by over **90%** by utilizing **React Query** to implement **infinite queries** and cache API responses
- Implemented **JWT-based authentication** to secure endpoints ensuring protection against unauthorized access
- Tools: **React, Typescript, NodeJS, MongoDB, Framer-Motion, Git, AWS**

CScape | *cscape.netlify.app/* **|** *github.com/syedwajihrizvi/CScape*

- Built a full stack web application that provides information on **millions of cities worldwide**
- Integrated **Google Places API** to fetch real time data on destinations, including restaurants, hotels, and amusement parks
- Leveraged **OpenWeather API** to display live weather data and **7-day** forecasts for any city
- Integrated **OpenAI's API** to dynamically generate city descriptions, enhancing user engagement with personalized content
- Used **Google's Distance Matrix API** for an optimized **Traveling Salesman algorithm** to plan efficient trips for users
- Tools: **React, Typescript, NodeJS, MongoDB, GSAP, Git**

Pint | *github.com/syedwajihrizvi/Pint*

- Created an Uber clone that allows users to book rides and view available rides though **react-native-maps**
- Utilized **Clerk** for authentication and setup Neon to provide a backend **PostgreSQL** Database
- Implemented **Zustand** to share states across various components and provide context management without **prop drilling**
- Tools: **React-Native, Clerk, Nativewind, Zustand, PostgreSQL, Neon, Google Maps, Git**

iPhone 16 Showcase | *syed-rizvi-iphone-16.netlify.app/* **|** *github.com/syedwajihrizvi/iPhone16*

- Developed a launch site for the iPhone 16 which had beautiful carousels and interactive 3D models
- Improved load time by nearly **60%** though a responsive component that rendered optimized images based on screen width
- Tools: **React Native, Tailwind, ThreeJS, GSAP, Git**