SYED WAJIH RIZVI

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SUMMARY

Software Engineer with experience building mobile and web applications. Open to relocation and available to start working as soon as possible.

SKILLS

Languages: Python, Java, Javascript, Typescript, C#, C++, HTML/CSS
Technologies: React, Spring Boot, PostgreSQL, MongoDB, Docker, AWS, Git, Linux, ASP.NET,

EDUCATION

University of Waterloo | Bachelors of Science in Engineering & Minor in Computer Science | Class of 2023

WORK EXPERIENCE

Full Stack Engineer | Hirvo - Waterloo, ON, Canada — Sept 2025 - Present

- Built an app supporting job discovery, quick-apply, interview scheduling, resume analysis, cover letter generation, and interview prep using React Native, Spring Boot, Docker, and PostgreSQL
- Leveraged **AI-powered** resume parsing and interview preparation generation to extract structured data from unstructured documents, improving user profile completion rates by **95%**
- Built automated, event-driven email notifications using **Resend** to support onboarding, interview scheduling, and real-time updates, achieving **99.9%** delivery reliability across **thousands** of weekly emails
- Developed real-time messaging and notifications using **WebSockets** which supports **1000s** of notifications daily
- Architected a scalable Spring Boot backend with **PostgreSQL**, asynchronous background jobs, and role-based access control, improving system scalability and API performance by **65%**
- Implemented **OAuth 2.0** integrations to implement permission scoped API access across 6 different service providers including **Webex, Google, Microsoft, Zoom, and Dropbox**
- Designed secure, scalable file storage using **Amazon S3** with presigned URLs and server-side validation to protect **thousands** of sensitive user data records such as documents and images

Software Engineer | Ford Motor Company - Ottawa, ON, Canada — Sept 2023 - Sept 2025

- Developed an automation framework that provided over **95% branch coverage** on cloud connectivity software for Ford's next generation electric vehicles using **Python, C++, and Linux**
- Raised defects with Jira and developed **AI tools** to using Python analyze Stacktraces improving analysis by nearly **40%**
- Reduced high priority defects in software components by nearly **90%** via functional, integration, and hardware tests
- Maintained over **95% code coverage** and **100% rainy day** coverage across production systems
- Reduced code duplication to under **2%** across nearly **100K** lines of code via refactoring

Software Engineer Intern | Ford Motor Company - Waterloo, ON, Canada — Sept 2022 - Jan 2023

- Reduced run time of **Jenkin's nodes'** by nearly **28%** through the optimization of **docker files and caching**
- 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**

Software Engineer Intern | Solace - Ottawa, ON, Canada — Sept 2021 - Jan 2022

- Improved functional test speed by nearly **20%** by converting APIs from **XML**-based to **JSON**-based

PROJECTS

Rockstar Games Community Hub | *rockstarcommunityhub.netlify.app* **|** *github.com/syedwajihrizvi/RockServers*

- Built a full-stack application that supported **thousands of users** to serve as a community hub for Rockstar Games players to share content, organize multiplayer sessions, and engage through likes, comments, and notifications
- Built **50+ API** endpoints using **ASP.NET** to manage posts, sessions, and user interactions
- Utilized secure authentication (**OAuth, JWT**) and request validation to protect user data
- **Containerized** the **ASP.NET** backend using **Docker** to enable consistent development and production environments
- Designed and optimized a **MySQL** database with several different schemas that handled **thousands** of records efficiently

Omnidirectional Robot | Robotics Engineering Capstone Project — Jan 2023 - Apr 2023

- Built a fully autonomous robot which could utilize a Lidar sensor to navigate itself on any terrain