Huy (Harry) T. Tran

Columbia, SC

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Technical Skills

Languages: C#, JavaScript, Python, Java, HTML, CSS
Frameworks/Libraries: React, Node.js, .NET, Selenium, Jest, PyTest, Django, Flask, Tailwind, Bootstrap
Databases: Microsoft SQL Server, MySQL, PostgreSQL, MongoDB
Other: Git, Postman, Heroku, Docker, Kubernetes, DevOps, Agile SCRUM, Cloud (IBM, Azure)

Education

Pennsylvania State University
Bachelor of Science in Software Engineering and Minor in Computer Science   Erie, PA

Certifications

- ASP.NET MVC 7 by Udemy (UC-1d68222d-e9ff-421d-8d97-a207bbff100d)
- IBM Full Stack Software Developer (https://www.coursera.org/verify/professional-cert/W22RJ453QKG8https://coursera.org/verify/XFRWTSAL3QWT)

Work Experience

Process and Data Automation   **June 2022 – September 2023**
Solution Specialist I   Erie, PA.

- Performed analysis for backend algorithm, improving efficiency from $O(n^3)$ to $O(n\log n)$ and resolving 23% of issue tickets.
- Developed ETL pipelines using Python and VBA to automate data migration between databases and files, reducing processing time by 75%.
- Optimized database queries using T-SQL**,** achieving a 90% reduction in page loading speed.
- Developed and configured UIs with Sepasoft MES software to build data visualization components, empowering informed decision-making to optimize the production process.
- Built a real-time visitor notification system using serverless architecture (ASP.NET, JavaScript, SignalR) on Azure, streamlining communication and ensuring timely responses for appointed staff.
- Designed a secure public-facing API gateway, streamlining API access and secure measurement.
- Empowered manufacturing partners and internal teams by providing tailored technical consultation and assistance, sharing facilitated the successful implementation of ChatGPT in designing test suite.

University of Washington   **March 2021 – May 2021**
Freelance Software Tester   Remote

- Automated comprehensive unit and integration tests using Python and Selenium, achieving 91% test coverage.

Projects

Car Dealerships Website | SQL, NoSQL, React, Django, Node.js, Docker, Kubernetes   **March 2024 – May 2024**
Personal Project | https://github.com/htt5059/car_dealer

- Developed a full-stack application using Django and React for a dealership website with AI-powered and DevOps practices.
- Implemented microservices architecture with Node /Express.js to manage dealers and reviews using MongoDB.
- Containerized services with Docker for scalability.
- Deployed a sentiment analysis service on IBM Cloud Code Engine to analyze user reviews.
- Implemented CI/CD pipeline for automated code linting and deployment on Kubernetes.
- Utilized Django proxy services to facilitate communication between different components of the application.
- Leveraged SQLite to store car make and model data within the Django application.