

Matt Saffert

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Work Experience

JBT Automated Systems

Chalfont, PA (*remote*)

Software Engineer

May 2019 – Present

- Design, develop, test, and deploy software for fleets of autonomous guided vehicles (AGVs) used in factory, warehouse, and hospital environments.
- Engage in all phases of the Software Development Life Cycle (SDLC), from requirements gathering to deployment and maintenance.
- Develop, debug, and maintain JavaScript/C# applications with .NET REST APIs, while optimizing SQL Server databases using stored procedures and queries.
- Deploy software to live production systems, collaborating with customers to exceed performance and functionality expectations.
- Lead software development for multiple enterprise AGV customers, managing solo and team projects while resolving support tickets.
- Collaborate cross-functionally with project managers, sales teams, and non-software engineers to align software with physical system requirements.
- Configure Windows Server environments to meet application and project needs.

Education

University of Minnesota, Twin Cities

Minneapolis, Minnesota

Bachelor of Science in Computer Science

December 2018

Skills

Languages/Frameworks: Python, Javascript, C#, Dart, HTML, CSS, Django, Flutter, React

Tools: Git, Postman, Jira, Windows Server, Linux, Docker, AWS, GitHub Actions

Databases: Microsoft SQL Server, PostgreSQL

Personal Projects

Point of Interest App (*Django RF, Postgres, AWS, Flutter, Docker, GitHub Actions*)

January 2024

Created a mobile application that monitors users' locations and sends them a notification when they are near famous or historically significant locations. Allows users to view pictures, read descriptions, and get directions for nearby points of interest.

- Developed with a Django REST API backend, leveraging a PostgreSQL database hosted on AWS RDS.
- Integrated a GitHub Actions CI/CD workflow to automate testing, Docker containerization, and deployment of the API to Amazon Web Services Elastic Beanstalk.
- Designed a Flutter frontend optimized for mobile devices running both iOS and Android.

[WheresTheWeatherLike.com](https://wherestheweatherlike.com) (*React, Typescript, HTML/CSS*)

February 2024

Website that allows users to discover worldwide vacation destinations that match their inputted weather for the time of year they choose.

- Designed and developed a dynamic, cross device responsive website using React, implementing modern UI/UX principles and state management for seamless user interactions.
- Deployed and hosted on AWS Amplify, leveraging its CI/CD pipeline for auto builds and deployments.