



RYAN WAHLER

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EXPERIENCE

Hilton Software

Software Engineer

Dec 2021 - Present

Coral Springs, FL

- Developed and designed restful services with ASP.NET Core Web APIs utilizing Entity Framework Core and Dapper. Leveraged the Swagger UI to document OpenAPI specifications.
- Created responsive and dynamic user interfaces using .NET technologies such as .NET Razor Pages, MVC, Blazor, and Typescript (jQuery typings), Bootstrap, and MatBlazor components.
- Deployed observability services using Grafana and Prometheus, including custom metrics queries and graphs using GraphQL, as well as logging dashboards with Promtail and Grafana Loki.
- Worked with Docker to containerize applications with efficient layer caching and environment specific configurations for development and production images.
- Implemented GitLab CI pipelines for build, test, and deployment jobs across the development, staging, and production environments.
- Maintained Nginx server for API gateway, SSL termination, reverse proxy, and proxy authentication.
- Configured web queue worker services for batch processing user uploaded data.
- Set up a RabbitMQ message broker to queue requests for large zip files, and implemented long-running status API endpoints for queued resources.
- Worked with Redis to implement distributed caching of data availability information, shared sessions across services, and frontend configuration settings.
- Utilized Jira on an agile team for documenting task progression and acceptance criteria. Took on product ownership by developing acceptance criteria to meet feature requests for greenfield projects.

SKILLS

Languages: C#, Python, JavaScript, Typescript, SQL, HTML/CSS, R

Backend Frameworks: ASP.NET Core, Django, Flask, Express

Frontend Frameworks: React (ES6/JSX), Blazor Server, some Vue.js with Typescript

Developer Tools : Docker, Gitlab CI, Git, Jira

Databases: Postgres, Redis, SQLite, Prometheus

Servers: Nginx, Kestrel, Unicorn

Other Backend Infrastructure Tools: Grafana, RabbitMQ, Grafana Loki

Domain Knowledge: full-stack development, micro-services, dashboards, time series analysis

EDUCATION

Florida Atlantic University

B.S. in Computer Science, Summa Cum Laude; GPA: 3.986

Minor in Statistics

Certificate in Data Science

Google Student Developer Club – Tech Lead position

2019 – 2021

Boca Raton, FL

Broward College

A.A. - Computer Science, High Honors

2017 – 2019

Davie, FL

PROJECTS

Financial Data Analysis and Algorithmic Trading | Python, Pandas, xArray, SciPy, Bokeh

May 2019 - Present

- Researching and building dashboards for financial time series data and models using SciPy, statsmodels, and Bokeh.
- Developed a map-reduce pipeline with Concurrent.Futures module for transforming data from raw storage to warehousing of Xarray DataArray's.

Plotly Analytical Dashboard for Abusive and Trending Tweets | Python, SciPy, Plotly, Twitter API, AWS EC2

Spring 2021

- Developed, researched, and implemented a senior design project with 4 peers focused on discovering trends and abusive tweets through natural language processing models with a Plotly dashboard.