

JOHN (“JACK”) NOLAN

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Software Engineer

EXECUTIVE SUMMARY

A highly motivated and passionate problem solver with a background in full stack development, database architecture, Continuous Integration and Deployment methodologies, and team oriented agile processes. Looking to leverage these attributes in an innovative and collaborative setting.

SOFTWARE ENGINEER SKILLS

Programming Languages C# (.NET Core/ .Net Framework), Python, JavaScript, Typescript, SQL, HTML/CSS

Database MySQL, PostgreSQL, SQLAlchemy, SQLite, SQL Server

Tools/Methodologies Agile Development, SAML v2 SSO, IdentityServer, Git, Docker, Amazon Web Services, Azure, Postman

PROFESSIONAL EXPERIENCE

Health Advocate

July 2022 - Present

Software Engineer

- Worked on a team developing custom integrations for Single Sign On services with our clients and partnered vendors. Primary codebase developed in the .NET Core with both in house authentication and authorization mechanisms and 3rd party integrations.
- Helped maintain and further develop our C# microservice APIs. Wrote integration and unit tests. Reviewed fellow developer's pull requests in Git
- Built and managed custom React libraries with end to end unit testing in Jest.
- Worked on transitioning and updating legacy T-SQL scripts in our database to code first models in Entity Framework
- Helped patch and proactively prevent production level bugs in our legacy systems and translated them to our newer environments
- Helped create and debug our CI/CD devOps pipelines in Azure
- Created custom admin tools to help expedite repetitive processes that arose.

Area4 Labs

April 2021 - October 2021

Fullstack Software Engineer

- Worked on distributable widgets to embed on customer's sites
- Developed API endpoints and ran integration tests in Python
- Developed defensive design patterns to prevent common exploits
- Updated SQL queries related to geolocation and improved runtime by 50%
- Tested and deployed Docker containers to AWS EC2 instances

Health Advocate

October 2020 - April 2021

Software Analyst

- Managed configurations and patches for legacy software written in the .NET stack

- Wrote SQL/T-SQL Scripts to fix database related issues