John Fitzpatrick 513-277-1018 john.fitzpatrick.v@gmail.com Columbus, Ohio

Profile

John is a results-oriented software engineer with over 5 years of professional experience in designing, developing, and delivering successful software solutions. His expertise lies in developing high-quality backend APIs and services deployed in cloud environments. With a strong focus on continuous delivery and deployment, John has contributed to the design and implementation of automated DevOps pipelines, enabling efficient code shipping and application monitoring.

John's extensive experience encompasses creating innovative solutions, expanding existing code bases, and ensuring optimal performance through comprehensive application monitoring. He excels in proactively identifying and addressing challenges, collaborating closely with team members to achieve shared goals. With his robust technical skills and holistic approach, John consistently generates valuable impacts across all levels of a project.

As a highly motivated software engineer, John seeks a position in a growth-oriented company where he can leverage his architectural and design experience to deliver high-impact projects for the organization.

Experience

SENIOR SOFTWARE ENGINEER, ACCUWEATHER, REMOTE, USA – FEBRUARY 2021 - PRESENT

Contributed to the API team responsible for delivering globally accessible, accurate weather data to a staggering 1.5 billion daily clients, handling over 30 billion API requests and 70+ TB of data per day.

- Orchestrated the seamless migration of 6 monolith endpoint groups, accounting for 50% of daily traffic, from classic servers to microservices built on asynchronous .NET Core applications. These microservices were deployed on Kubernetes clusters, resulting in a remarkable 15% reduction in cloud compute costs and a 50% improvement in response times.
- Spearheaded the technical architecture definition and executed the initial release of an internal site housing OpenAPI specifications for over 200 endpoints. These specifications were automatically generated from code, ensuring that internal sites were promptly updated on any changes.
- Achieved a substantial 65% reduction in monitoring and observability costs without closing key functionality.
- Designed an architecture shift from large monolithic configuration files to a more flexible and modular approach, enabling composable configurations.
- Automated various processes to enhance developer productivity and release velocity.
- Tools: Azure, C#, .NET Core, TypeScript, JavaScript, git, k6, Postman, OpenAPI, Bash, Akamai, Redis, Kubernetes

SOFTWARE ENGINEER CONSULTANT, FUSION ALLIANCE, COLUMBUS, OHIO – MAY 2017 - JUNE 2020

Collaborated with six distinct clients to conceptualize, develop, and deliver cutting-edge business applications, driving user brand engagement, revenue growth, and operational cost reductions.

- Transformed two REST APIs from initial whiteboard concepts into fully functional products for separate projects. The first API facilitated data sharing and consumption across web, native applications, and IoT devices, accommodating 50+ simultaneous users and devices. The second API empowered a web application to integrate live data into a fantasy sports mobile application, serving an active user base of 50,000 individuals.
- Developed a self-service portal for auto repair facilities to use when processing auto glass claims. The web application is currently used by over 7,000 facilities, helping to reduce claim processing time by over 50%, improve accuracy of submitted claims and decrease rate of incorrect parts being ordered.
- Designed and implemented continuous integration and deployment pipelines for two separate projects that deployed to dev, test and prod environments; these automated deployments greatly increased delivery velocity and improved developer, tester and user experiences.
- Tools: Azure, AWS, C#, git, JavaScript, TypeScript, React, HTML, CSS, Bash, PowerShell

Education

Oregon State University, Corvallis, Oregon – Bachelor of Science in Computer Science and Engineering - 2016
The Ohio State University, Columbus, Ohio – Bachelor of Arts in Economics - 2021