Joseph Michael Gilmore

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WORK EXPERIENCE

Software Engineer - bioMérieux (BioFire Diagnostics), Salt Lake City, UT · *June 2020 – Present*

Team Lead for Integration of SYNDROMIC TREND and BIOFIRE FIREWORKS
- Led integration design to bring SYNDROMIC TREND, a cloud-based application for epidemiological data, features into BIOFIRE FIREWORKS, a cloud-based data management platform for infectious disease diagnostic results and diagnostic machine's system data
- Designed and implemented architecture to accurately and efficiently aggregate diagnostic data across multiple AWS regions while adhering to patient privacy regulations

Developer on BIOFIRE FIREWORKS
- As one of three original developers, played a central role in designing and developing FIREWORKS
- Led parts of development across all layers of the project including frontend (TypeScript, React, Tailwind), backend (C#, ASP .NET), cloud infrastructure (AWS, Pulumi), and DevOps (Bitbucket Pipelines)
- Contributed to the growth of the development team from three to twelve engineers by conducting interviews, onboarding new hires, and providing ongoing mentorship to create a competent and efficient team
- Developed an internal application (C#, .NET, Pulumi Automation) to automate the provisioning of domains, databases, and other resources, significantly reducing manual effort for support teams
- Worked closely with project managers, marketing, legal, and other stakeholders to gather requirements, define project scope, and deliver solutions that meet business objectives and regulatory standards

Software Engineer Intern - Charter Communications, St. Louis, MO · *May 2019 – May 2020*
- Worked as part of the Telemetry Development Team to develop software for reporting on enterprise infrastructure utilizing an in-house framework (NodeJS, React, Perl)

EDUCATION

Saint Louis University · Saint Louis, MO
B.S. in Computer Science | Minor in Mathematics · *May 2020*

TECHNOLOGIES

Proficient - C#, .NET, PostgreSQL, Pulumi, Git, JavaScript, TypeScript, React, Tailwind CSS, Many AWS Services, Docker, Bitbucket Pipelines, Bash
Familiar - Redis, Python, Pandas, Grafana, Burp Suite, PowerShell, Java, Go