

Joseph L. McDonough

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📍 New York Metropolitan Area, Remote

📄 jlmcdonough.github.io

EXPERIENCES

- **Fortinet (formerly Concourse Labs before acquisition)** Remote
Software Engineer January 2022 - July 2024
 - Produced public endpoints with authorization in Spring Boot Java REST services, built with Bazel, documented in Swagger
 - Improved performance with new Quarkus gRPC Java microservices using Mutiny's reactive programming, built with Gradle
 - Maintained Helm charts to manage our microservices in Kubernetes
 - Designed autonomous Postman test suites to perform regression testing and monitor all public endpoints with Slack alerts
 - Developed CI/CD pipeline templates on GitLab (using yml) and Jenkins (using Jenkinsfile) for all microservices to use
 - Implemented an audit log system to track API actions and publish them to PostgreSQL and AWS and GCP services
- **Amazon** Seattle, WA
APP Software Development Engineer Intern, Finance Technology June - August 2021
 - Created and presented a full-stack project to allow the team to view and update their most commonly used data
 - Engaged in labs that utilized numerous AWS services to learn about the various tools and best practices
- **BD** Franklin Lakes, NJ
Product Security Engineering Team Intern May - August 2019
 - Analyzed password managers and presented a KeePass user guide to an internal pilot group, CRO, and CISO
 - Built and documented PowerShell scripts to create a KIOSK on BD products and to harden Internet Information Services

TECHNICAL SKILLS

- **Languages:** Java, SQL, Python, R
- **Technologies:** Spring, Bazel, Gradle, REST APIs, gRPC, Protobuf, Quarkus, Mutiny, Reactive Programming, PostgreSQL, Git, AWS, GCP, Redis, Helm, Kubernetes
- **Tools:** Postman, GitLab, GitLab CI/CD, GitHub, JetBrains, Jira, Confluence, Google Suite, Microsoft Office, Tableau

CERTIFICATIONS

- **Google Data Analytics Professional Certificate** Online
Coursera Awarded April 2023
- **Quantum Computing Algorithms and Programming** Online
Marist College Awarded August 2021

EDUCATION

- **Marist College** Poughkeepsie, NY
B.S. Computer Science & B.S. Cybersecurity August 2018 - December 2021
 - Concentration in Software Development
 - Minors in Information Systems and Information Technology

OTHER PROJECTS

- **Cybersecurity Escape Room Video Game - Unity and C#** Poughkeepsie, NY
SendHelp Studios - Design team lead, UI/UX and Gameplay Engineer August 2021 - December 2023
 - Led the design team and worked on the development team to create an escape room game to teach cybersecurity principles
 - Presented the game and paper at an Enterprising Computing Conference where it won the cybersecurity award