

Joseph L. McDonough

✉ josephlmcdonough@gmail.com

in linkedin.com/in/josephl-mcdonough

github.com/jlmcdonough

TECHNICAL SKILLS

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

EXPERIENCES

- **Fortinet (formerly Concourse Labs before acquisition)** Remote
Software Engineer January 2022 - July 2024
Java, Python, SQL, AWS, GCP, PostgreSQL, Postman, Gradle, Spring, Bazel, Quarkus, gRPC, Kubernetes, GitLab, Jenkins
 - Improved speed of evaluations by about 10% by creating new **Java** microservices using Mutiny's **reactive programming**
 - Designed autonomous **Postman** suites to monitor endpoints for stability, measure throughput, and perform regression testing
 - Implemented an audit log system to record 100% of API actions then publish to **PostgreSQL** and **AWS and GCP services**
 - Developed **GitLab** and **Jenkins CI/CD pipelines** to automate and improve the efficiency of microservice deployment
 - Produced public authorized endpoints in **Spring Boot Java REST services**, built with **Bazel**, documented in **Swagger**
 - Ensured reliability, scalability, and about 99.7% uptime of microservices by **Helm charts in Kubernetes**
- **Amazon** Seattle, WA
APP Software Development Engineer Intern, Finance Technology June - August 2021
TypeScript, AWS, React.js, GraphQL, CSS, Git
 - 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
- **Becton Dickinson** Franklin Lakes, NJ
Product Security Engineering Team Intern May - August 2019
PowerShell
 - 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

CERTIFICATIONS

- **CompTIA Security+** March 2025 (Expires March 2028)
- **Google Data Analytics Professional Certificate** April 2023
- **Quantum Computing Algorithms and Programming** August 2021

EDUCATION

- **Marist College** Poughkeepsie, NY
B.S. Computer Science (Software Development) & B.S. Cybersecurity August 2018 - December 2021
 - Graduated Summa Cum Laude
 - Minor in Information Systems and Minor in Information Technology

OTHER PROJECTS

- **Cybersecurity Training Simulator** Poughkeepsie, NY
Design Team Lead, UI/UX and Gameplay Engineer August 2021 - December 2023
Unity, C#
 - Led the design team and worked on the development team to create an escape room game to teach cybersecurity principles
 - Presented the game and a paper at an Enterprising Computing Conference where it won the cybersecurity award