Joseph L. McDonough

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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, Swagger

- **Tools**: Postman, GitLab, GitLab CI/CD, GitHub, JetBrains, Jira, Confluence, Jenkins, Google Suite, Microsoft Office, Tableau, Tray.io

EXPERIENCES

- **Fortinet (formerly Concourse Labs before acquisition)**   Remote
  Software Engineer   *January 2022 - July 2024*
  - 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
  - Recorded 100% of API actions by implementing an audit log system to publish to PostgreSQL and AWS and GCP services
  - Developed GitLab and Jenkins CI/CD pipeline templates to automate and improve the efficiency of microservices deployment
  - Produced public endpoints with authorization 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*
  - 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

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
  - Minor in Information Systems and Minor in Information Technology

OTHER PROJECTS

- **Cybersecurity Escape Room Video Game - Unity and C#**   Poughkeepsie, NY
  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 a paper at an Enterprising Computing Conference where it won the cybersecurity award