Scott **Myers**

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Education

The Pennsylvania State University   *University Park, PA*
Bachelor of Science in Electrical Engineering   *May 2018*

Experience

Exiger
Software Engineer (Full Stack)   *August 2020 - Present*

- Design, build, and test new user facing features for financial compliance OMS platform. Duties range across the stack by leveraging C#, ASP.NET, SQL Server, Javascript, Jenkins, and more. Regularly collaborate with stakeholders to ensure optimal user experience.
- Monitor system health through logging and monitoring tools. Quickly resolve issues and optimize code/queries to minimize resource requirements.
- Identify and create automation for repetitive work, reducing engineering time from 2+ hours to several seconds in some instances.
- Ensure code is stable and well-tested during development. Created unit test framework to reduce test creation/run time by 50%.
- Design and create REST API routes for customer integration. Update documentation accordingly.
- Establish and support RabbitMQ topology to pass messages between services.
- Write and optimize SQL queries to fulfill ad-hoc customer requests and business requirements.
- Peer review code, lead and participate in design discussions, and research/implement optimal architecture per team's vision.

QorTek Inc.
Software Engineer   *June 2018 – August 2020*

- Lead the development of a closed-loop acoustics processing system in C# utilizing asynchronous programming and custom data visualization methods with the .NET framework. The system can also automate tests and process real-time data for the user.
- Designed and implemented a low latency, high throughput streaming protocol for use in time-sensitive applications. Utilized the protocol with a custom multithreaded streaming application.
- Create and maintain C# class library of math algorithms, backend data visualization, framework enhancements, and more. Lead efforts and discussions about standardization and scalability of codebase.
- Designed, tested, and verified scripts that measure system health for irregularities to identify critical bugs and aid in their resolution.

Solid State Ceramics
Test and Automation Engineering Intern   *August 2017 – May 2018*

- Independently created automated ceramic piezoelectric transformer characterization program using LabVIEW. The ability to automate this process has saved the manufacturer hundreds of hours of employee labor.

QorTek Inc.
Engineering Intern   *May 2017 – August 2017*

- Designed and tested attitude control system for small satellites using C#. Controlled hardware via micro-controller, which had data live-streamed to it via Bluetooth API. This program led to the successful validation of critical project goals.

Skills

Languages / Tech: C#, JavaScript, HTML, ASP.NET, SQL
Software: Visual Studio, SSMS, IIS, RabbitMQ, Jenkins, Datadog
Computer Science: Rest API, OOP Principles, Data Structures, Algorithms

Projects

Dungeons and Dragons Hub   *C#, Windows Forms*
Desktop application to manage players stats, dice rolls, and inventory. Code managed and documented on GitHub. New features are added by talking with players on a weekly basis during campaign sessions. Persistent game data structures allows players to easily save their data.

https://github.com/smyers24/DnD-Hub-V2