

TECHNICAL SKILLS

Languages: Python, PHP, Visual Basic, C#, SQL, JavaScript, Bash

Frameworks and Libraries: Pandas, PyQt5, jQuery, ASP.NET, .NET Core

Tools: Azure DevOps, AWS (S3, EC2), Git, MySQL, SQL Server

WORK EXPERIENCE

Spark Membership • Senior Software Developer

2018 - Present

- Architected framework for customer onboarding process; automated customer data migration, coordinated hundreds of PCI Compliant sensitive data transfers.
- Constructed utility suite for support team, reducing developer workload and median customer issue resolution time by 16%.
- Spearheaded company-wide Strong Customer Authentication (SCA) compliance updates, refactoring legacy code into extensive payment library featuring a **REST API**.
- Implemented Test Driven Development for backend and frontend in critical areas
- Mentored Junior Developers on best practices to rapidly get them proficient in necessary procedures.
- Communicated and collaborated with multi-disciplinary teams of engineers, designers, producers, support representatives, and clients daily.
- Maintained and extensively optimized monolithic and microservice applications in C#.NET and VB.NET, improving performance and scalability.
- Improved application load time (FCP) by 8% globally via performance tuning

Park's Federation • Information Technology Manager

2017- 2018

- Responsible for all information technology, security, and audio video systems for 4 sites serving over 30 employees, including managing budgets, designing and implementing operational processes, and ensuring data security.
- Synchronized data back-ups, implemented association-wide user permission levels, coordinated migration to cloud systems.

PROJECTS

DataTool - Pandas Spreadsheet Editor

<https://github.com/scottawalton/datatool>

- I developed the datatool application in **Python** for use with **Pandas**; built the frontend using **PyQt5** with **MVC** architecture.
- Implemented state management, cross-table functionality, and error reporting.