

Oumar Sall

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SENIOR SOFTWARE ENGINEER

Experienced Dotnet and C# Developer with proven expertise in designing and developing a diverse range of applications, including libraries, console programs, Windows services, and web solutions. Proficient in utilizing dotnet core frameworks for building cross-platform applications and well-versed in Agile methodologies for efficient project delivery through sprint planning. Strong track record of upgrading and maintaining applications while ensuring high-quality, user-focused results.

AREAS OF EXPERTISE

Application Development | Cross-Platform Development | Agile Methodologies | Project Management | Requirements Gathering | System Design | Software Testing | User Training & Support | Process Improvement | Collaboration | Stakeholder Communication

TECHNICAL SKILLS

Programming Languages: HTML5 | CSS3 | JavaScript | TypeScript | NodeJS | C# | SQL/T-SQL

Libraries: jQuery

Frameworks: .NET | .NET Core | Angular | React

Databases: SQL Server

IDEs/Tools: Visual Studio | VS Code | Git Bash | Command Prompt | Putty

Version Control: Azure | GitHub | Bitbucket (Git)

DevOps: Azure DevOps (CI/CD | Build Pipeline | Release Pipeline)

Systems: Windows | Linux

Project Types: Library | Console | Win Forms | Web Forms | Windows Services | ASP.NET MVC | ASP.NET Web API | SQL Database Project

PROFESSIONAL EXPERIENCE

Air Group Building – UPS, Louisville, KY

01/2019 – 09/2024

Software Engineer II

Led development, migration, and upgrades of Windows Services, applications, and APIs using Agile methodologies to enhance system performance.

- Involved in all DevOps phases from requirement gathering, design, development, testing, Production, user training and support for production environment.
- Created ATSAP Interface, multi-threaded Windows Service that monitors the Aviation Quality Database (AQD) for closed ASAP report that meet the ATSAP criteria, creates de-identified XML report files.
- Migrated VB ASAPXfer Interface, multi-threaded Windows Service looking for closed ASAP and MASAP reports that meet the ASAPXfer criteria and creates the de-identified XML files.
- Migrated VB DNAA Interface, multi-threaded Windows Service that looks for closed ASAP and MASAP reports that meet the DNAA criteria and creates the de-identified XML files.
- Upgraded the Flight Data Acquisition (FDA) App, Windows Forms Application that pulls data off the aircraft QAR (Quick Access Recorder) PC cards, which is analyzed for safety and corrective action taken if needed. Upgrade was to provide a centralized error handling and logging for the FDA workstations.
- Wrote Libraries as well as Console applications.
- Wrote Angular code as well as API code for UPS ACES and ECM applications.
- Wrote SQL and T-SQL stored procedures to implement business rules and validations.
- Extensively used Agile methodology using sprint planning.

Environment: SQL Server | Windows | Git | DevOps | CD

Software Engineer I

Migrated and upgraded applications, implemented business logic with SQL, and supported all DevOps phases using Agile methodology.

- Migrated VB Baseline Creation App, Windows Forms Application used by High Level Control Systems (HLCS) that is UPS sort engine that moves millions of packages a day. This app creates a set of HLCS production data used to replay HLCS messages in prod like environment using HLCS Sort Replay Suite (SRS) software that creates data used to generate compare reports.
- Migrated VB SRS Compare App, Windows Forms Application that creates compare reports and highlights the data differences between the prod env and the prod like env after an SRS run is complete. Then differences are analyzed to either validate or fix the HLCS patch release.
- Upgraded Automated Pulled Times (APT), ASP.NET MVC Web site and Web API that give the Worldport Operations the ability to automatically close small loads at positions based on the departure time of the aircraft planned for the load at the position.
- Upgraded Standard Sort Parameter Service (SSPS), ASP.NET MVC Web site and Web API which maintains and distributes sort parameters including but not limited to Air Hub Control System (AHCS) env such as Sort Start Time and Sort End Time.
- Involved in all DevOps phases from requirement gathering, design, development, testing, production, user training and support for production environment.
- Wrote SQL Stored procedures and functions to implement business rules and validations.
- Extensively use Agile methodology using sprint planning.

Environment: SQL Server | Oracle | Windows | Linux | FTS | Git | Git Bash | DevOps | CD | PuTTY

EDUCATION

Bachelor of Science (BS) in Computer Engineering and Computer Science

University of Louisville – J. B Speed School of Engineering, Louisville, KY

Associate of Science (AS)

Jefferson Community and Technical College, Louisville, KY