Fraser Molyneux

Taunton, Somerset, UK

+44 7725111939 • molyneux-consulting@mx-mail.io

linkedin.com/in/fraser-molyneux/

Software/Application Engineering

Hands-on success managing and delivering IT projects through robust team leadership in aerospace/defence sector

---

Multi-qualified and resourceful IT professional with demonstrated track record driving complex project deliverables in line with time and budget constraints to optimise business-critical services. Broad knowledge of PowerShell, DSC and Azure DevOps leveraged to enable smooth deployment of pipelines, while eliminating failures. Excellent team leadership with aptitude to establish collaborative relationships and enable positive influence, while minimising disparities among senior management and delivery teams.

DevOps Management / Application & Software Delivery / Release Management
Team Leadership & Direction / Project Planning & Delivery / Pipeline Deployment
Performance Improvement / Continuous Process Optimisation / Technical Testing & Troubleshooting

---

Technical Proficiencies

C#.NET | ASP.NET MVC | .NET Core | Web API | PowerShell/DSC/Pester | Git/GitHub/Azure DevOps | Build & Release through Azure DevOps CI/CD Pipelines | Azure/AWS | SQL Server/Entity Framework | Agile/Scrum

---

Professional Experience

PowerShell Engineer (Contract) (Jan 2021 – May 2021)　　　　　　　　Molyneux Consulting Ltd, Taunton, UK

Technical Scope: PowerShell, Pester, SQL, Azure Data Factory, Azure Databricks, Azure Storage, Git, AzDo Pipelines

Providing PowerShell expertise to Adatis in the data analytics sector to create a pester framework to test the end-to-end data flows of solutions built on Azure Data Factory, Databricks and Data Lake. Implementation of the testing framework to support on demand and nightly test execution through AzDo for multiple solutions.

Key Achievements:

- Implemented support for static data sets used for regression test packs alongside dynamic data tests to support the ongoing BAU tasks for monitoring data flow.

- Through the implementation of the test framework and regression test packs enabled the end client to reduce a multiple week UAT regression test period significantly.

- Ensured that the test framework could be used with multiple retail and stock source systems without the need to modify the core framework code.

Senior Software Engineer (Contract) (June 2020 – Dec 2020)　　　　　　Molyneux Consulting Ltd, Taunton, UK

Technical Scope: C#.NET, NUnit, PowerShell/Pester, SQL Server, Azure, Git, Azure DevOps, Terraform, Agile/Scrum

Providing fix/release support for the UK Hydrographic Office customer facing services as a senior member of a development team. Using pair programming with developers and testers alike to deliver many bug-fixes and feature enhancements through a continuous delivery process.

Key Achievements:

- Refactoring of SQL database sanitisation scripts to allow for production databases to be restored and used with confidence within the Engineering environments.

- Delivery of multiple feature enhancements to production that reduce the manual intervention for cases raised to the Customer Services team.

- Key in the successful onboarding of a set of externally developed GIS services and transition of their support into the internal development team.

…Continued…

Software Engineering Consultant (Contract) (Nov 2019 – March 2020)   Molyneux Consulting Ltd, Yeovil, UK

Technical Scope: TeamCity, PowerShell, SSDT, SQL Server, Agile/Kanban

Providing consultancy support to Leonardo Helicopters LSS department in the aerospace/defence sector for implementation of Agile, DevOps and CI/CD principles to improve development capability. Steering collaborative efforts with a team of developers/testers working on brownfield products to improve processes and working approach.

Restructuring of existing delivery pipelines to integrate best practices across release management through utilisation of expertise in CI/CD pipelines.

Key Achievements:

- Introduced an Agile/Kanban workflow method to improve visibility of constraints/blockers to development and leadership teams and subsequently executing corrective actions to enable resolution.

- Minimised technical and cultural issues within leadership team by facilitating discussions with managers to propose innovative approaches for effective solutions.

Lead Software/Support Engineer (July 2018 – Nov 2019)   UK Hydrographic Office, Taunton, UK

Technical Scope: C#.NET, ASP.NET MVC, PowerShell/DSC/Pester, PowerShell Modules, SQL Server, Azure, Git/GitHub/Azure DevOps, ITIL/Incident/Change, Azure IaaS/PaaS/SaaS

Provided leadership direction to an Agile (Scrum) development team, consisting of 5 developers and 2 testers to streamline customer facing services and project delivery. Oversaw end-to-end aspects associated with complex migration of customer facing services from VMWare to Hyper-V.

Key Achievements:

- Succeeded in leading complete rewrites of build and release pipelines, as well as overcoming critical challenges of implementing new technologies, processes and standards.

- Improved monitoring of Active Directory, file share permissions and SQL databases/permissions through innovation of PowerShell infrastructure automated tests.

- Accelerated project implementation and eliminated downtime of releases via creation of a new route-to-live pipeline for the 'eNavigator Fleet Manager' product.

Senior Software Engineer (September 2017 – July 2018)   UK Hydrographic Office, Taunton, UK

Technical Scope: PowerShell/DSC/Pester, Azure DevOps/vNext, Active Directory Management, Build/Release through TFS, NVD Security Checking, Forti-ADC (Load balancing) Configuration, Networking, SQL Server, Azure/ARM

Delivered several desktop and web application projects from start to successful finish. Drove seamless integration of all solutions into new architecture by developing effective deployment pipelines and collaborating with embedded operations engineer.

Key Achievements:

- Contributed to achieving smooth operations by utilising TFS for pipeline build, enabling release orchestration via PowerShell and ensuring deployment onto VMs through PowerShell DSC.

- Successfully translated requirements into practical, secure solutions by partnering with ITSO's, networks and ISS teams during a B2B project hosted in Azure and on-premise.

Additional Experience

Software Engineer (2016 -2017) at UK Hydrographic Office
Trainee Software Engineer (2015 - 2016) at UK Hydrographic Office
Workshop Delivery Officer (2014 - 2015) at University of South Wales

---

Education & Training

Bachelor of Science in Computer Science
University of South Wales, Pontypridd, Wales

Technical Certifications
Microsoft Certified: Azure Developer Associate
Microsoft Certified Solutions Developer: App Builder
Microsoft Certified Solutions Associate: Web Applications
Microsoft Specialist: Programming in C#
Certified Ethical Hacker (EC-Council)
Professional Scrum Developer
ITIL Foundation Certificate in IT Service Management