

Fraser Molyneux

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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

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.

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.
- Standardisation of deployment approaches using TeamCity meta-runners and templates for SSDT projects.

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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.
- Delivered the AVCS Online product to production utilising Azure IaaS/PaaS/SaaS to create VMs, networking, app services, storage and Esri ArcGIS services.

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.
- Created a PowerShell driven deployment pipeline to create and configure resources in Azure (API Management, App Services).

Software Engineer (July 2016 – September 2017)

UK Hydrographic Office, Taunton, UK

Technical Scope: C#.NET, WPF, Xamarin, PowerShell (Automated Test Deployment), Automated Testing (CodedUi/Xamarin.UITest), Unit Testing/TDD

Served as a pivotal member of the desktop and mobile apps team. Minimised duplicated code by formulating a shared automated test library for Xamarin.Android and Xamarin.iOS. Ensured maximum quality of written code and development practices by utilising automated and unit testing, leading to improved code base standards.

Key Achievements:

- Presented an easy-to-understand code through employment of pair programming techniques with other developers to deliver high-quality code.
- Creation of a .NET core middleware module to validate client certificates in a secure manner.

Additional Experience**Trainee Software Engineer** at UK Hydrographic Office**Workshop Delivery Officer** 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