

George Bishop

Software Engineering Leader

Contact

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Profile

Technology leader with a decade of experience scaling engineering teams and software delivery in fintech and biotech. Proven record of transforming software organizations through modern DevOps practices, cloud architectures, and strategic product alignment. Skilled at building high-performing engineering teams, defining technical vision, and delivering enterprise-grade software aligned with commercial and operational objectives.

Key Achievements

- **Scaled engineering capability** - built and mentored a high-performing software team, establishing onboarding processes and improving delivery consistency.
- **Cloud cost optimization** - restructured Azure/AWS infrastructure and governance, reducing daily spend by over 50%. Managed transition from Azure to AWS cloud services and hosting.
- **Delivery transformation** - introduced CI/CD pipelines, standardized DevOps practices, and defined Agile delivery frameworks, cutting release timelines.
- **New product development** - owned the process of new product development from inception to delivery, fully refreshing the software and instrumentation offerings with new AI-driven applications.
- **Legacy modernization** - led systematic migration of critical applications to latest .NET versions and cloud-based services, improving stability and maintainability.
- **Cross-functional leadership** - partnered with executive and product teams to translate business strategy into scalable, secure, and high-value software delivery.

Experience

Quintain Analytics | Remote | Jul 2024 – Present

Senior Product Developer

Fintech data-analytics platforms modernizing financial insights through scalable cloud solutions.

- Provide engineering direction, product strategy, and infrastructure management for UK-based fintech startup.
- Drive team recruitment and onboarding across engineering disciplines.
- Define and implement Azure DevOps best practices for backlog management, delivery plans, and CI/CD pipelines.
- Architect and deploy cloud-hosted .NET APIs, React sites, and data services in AWS, Azure, and EKS/AKS, enabling secure and efficient scaling.
- Modernize and refactor existing .NET applications (Web Apps, WPF Outlook Add-ins); streamline data synchronization and ETL pipelines.
- Oversee Kubernetes environments, SSL security, and DNS infrastructure across development and production.
- Collaborate with leadership to align roadmap priorities, technical debt reduction, and product milestones.

Technical & Strategic Capabilities

Leadership & Strategy

Software organization design • Engineering roadmap ownership • Agile delivery leadership • Cross-functional stakeholder engagement • Recruitment & mentoring • Technical governance

Architecture & Platforms

.NET (Core & Framework) • Azure (AKS, DevOps, Managed DBs, VM Management) • AWS (EKS, EC2, S3 Buckets, VPC Routing) • Kubernetes • SQL Server • API Design • CI/CD Automation • React / TypeScript

Ecosystem

Python • Containerization • Testing Automation • Documentation Systems • Data Engineering Foundations

Education

University of Plymouth

BSc (Hons) Computing
2:1, 2013 - 2016

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Advanced Instruments LLC (formerly Solentim) | Bournemouth | Oct 2016 – Jun 2024

Software Engineering Manager (2022 – 2024)

Led the software division within a global biotechnology instrumentation company.

- Managed a multidisciplinary engineering team delivering high-value automation and imaging systems.
- Defined and implemented the company's software development methodology and strategy.
- Owned all software engineering products in the Cell Line Development portfolio, from architecture to deployment.
- Partnered with R&D, QA, and product management to ensure integration between software, hardware, and scientific workflows.
- Strengthened project estimation, requirement definition, and delivery reporting practices across teams.
- Advocated for a culture of technical excellence, continuous learning, and rigorous documentation.

Senior Software Engineer (2021 – 2022)

- Directed architectural planning, refactoring, and documentation for next-generation cell analysis platforms.
- Expanded automated test coverage and implemented continuous integration across development streams.

Software Engineer (2019 – 2021)

- Transitioned research prototypes into production-grade systems with improved reliability and performance.
- Collaborated on AI-driven image-processing features and ML integration pipelines.

Junior Software Engineer (2016 – 2019)

- Developed and maintained internal automation tooling and imaging-device software.
- Conducted R&D liquid handling and imaging systems, supporting product innovation.

References

Available upon request