

# Paul Sweeney

## DEVOPS & PLATFORM ENGINEERING LEADER

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### PROFILE

Experienced engineering professional with a long track record of building and running reliable delivery platforms. Strong background in modernising legacy systems, supporting cloud adoption, and putting practical engineering platforms in place that teams actually use. Acknowledged as fixing hard technical problems, improving stability, and providing clear technical direction when things are unclear. Brings hands-on experience across build, test, deployment, observability, and release, and works closely with engineers to raise standards and introduce automation that reduces operational effort and long-term cost.

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### CORE COMPETENCIES/TECHNICAL PROFICIENCIES

**DevOps & Cloud Platforms:** Kubernetes, K8S, AKS, GKE, KubeVela, Docker, Azure DevOps, Git, Terraform, Helm, Crossplane, Linux, Ubuntu

**Automation & Scripting:** Ansible, Bash, PowerShell, Python, Scripting, CI/CD, Octopus Deploy, TeamCity, GoCD

**Monitoring & Observability:** Prometheus, Grafana, Alertmanager, Datadog, Greylog

**Developer Platforms / IDP/ DevEx:** Backstage, Internal Developer Platforms, Platform Engineering, AgenticAI, Agentic Coding

**Programming & Engineering:** C#, .NET, .NET Core, ASP.NET, Multithreading, SQL, XML, Web Services, C++, C, Fortran, SaaS

**Networks & Infrastructure:** Cisco, CCNA, WAN, MPLS, BGP, VPN, IPSEC, SNMP

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### PROFESSIONAL EXPERIENCE

**TravelRepublic, Part of Emirates Group, Remote**

**Jan 2013 – Jan 2026**

**Senior Developer, DevOps Platform Engineering SME (Aug 2019 – Jan 2026)**

Act as a senior technical sounding board for platform and architecture decisions while the organisation continues to modernise. Look after six self-managed Kubernetes clusters until they were migrated to Nutanix - keeping them reliable, repeatable to build, and easy to observe when issues arose. Implement practical release management practices, including sensible branching, clear communication, and pipelines that are easy to understand, to coordinate deployments across TeamCity, GoCD, and Octopus. Modernise existing codebase through steady refactoring, better unit testing, and fixing long-standing legacy issues, including moving older services into C#.

#### Key Contributions:

- Championed early adoption of AgenticAI Coding by producing practical introductory material and offering hands-on guidance.
- Reduced operational complexity through consolidation of legacy deployment tooling into a more coherent/maintainable platform.
- Elevated software quality by restructuring critical components to support unit testing and by driving migration from VB.NET to C#.
- Established a unified pipeline standard that improved DevOps consistency across Linux & Windows build & deploy processes.
- Simplified delivery across more than 100 workloads by creating a multi-cloud pipeline that enabled smoother adoption of GKE and AKS without requiring deep Kubernetes expertise.
- Protected business continuity during the pandemic by developing an automated booking-cancellation workflow and resolving recurring currency-conversion issues through a dedicated module.
- Boosted production resilience by creating an Ansible playbook to automate bare-metal Kubernetes cluster builds and by implementing Prometheus, Grafana, and AlertManager with notifications to Slack/Teams.

**Acumentive Ltd, Remote**

**Aug 2007 – Jan 2013**

**Software Development Lead**

Joined as the sole technical consultant & developer, working directly with the Managing Director on everything from customer-facing technical discussions to pre- and post-sales support and hands-on development. Wrote Python utility scripts to simplify product build and testing within a third-party framework. Designed and built a common C# application framework to speed up delivery and allow flexible configuration across different hardware and backend systems, supporting Windows, web, and Compact Framework mobile deployments backed by SQL Server. As the work grew, built and led a small technical team of up to four consultants.

#### Key Contributions:

- Improved testing and demonstration work by introducing Virtual Machine tools such as Virtual PC and VMWare.
- Acted as a key technical contact, keeping up-to-date knowledge of core technologies and maintaining steady working relationships with suppliers in RFID, Ultrasonic ID, and Real-Time Location Systems.
- Supported the organisation's distributed working model by putting practical systems in place for bug tracking, project management, wiki collaboration, change control, data back-ups, and DVCS version control.

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## ADDITIONAL EXPERIENCE

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**.NET E-Commerce Developer** | Commercial Services, Kent County Council, UK, Aug 2005 – Aug 2007

**Lead Developer & Website Testing Consultant** | SciVisum Ltd, Sittingbourne, Kent, UK, Jan 2004 – Jul 2005

**IT Systems Engineer (Advanced CCTV Systems)** | Astraguard Ltd, Sevenoaks, Kent, UK, Apr 2003 – Dec 2003

**Software Development Engineer** | Viewgate Networks, Sevenoaks, Kent, UK, Dec 1999 – Aug 2002

**Simulator Maintenance & Development Engineer** | Magnox Electric plc, Oldbury Training Centre, South Glos, UK, May 1996 – Dec 1999

**Control & Instrumentation Engineer** | Nuclear Electric plc, Berkeley Technology Centre, Glos, UK, Jun 1989 – May 1996

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## EDUCATION & PROFESSIONAL ACCREDITATIONS

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**Chartered Engineer (CEng)** | Engineering Council, UK, since 2005

**Institution Member (MIET)** | Institute of Engineering and Technology (formerly IEE) , since 1993

**Master of Electrical & Electronic Engineering (MEng)** | Imperial College, London, UK, since 1992

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## TECHNICAL CERTIFICATIONS

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**Linux Foundation CKA** | Kubernetes Admin, 2021

**IKM C# v4.0** | Developer, Score 99/100, 2012

**MCAD C#** | Developer, 2003

**Cisco CCNA** | Network Admin, 2002

**Microsoft MCSE NT4** | System Admin, 1999

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## OPEN-SOURCE CONTRIBUTIONS & COMMUNITY INVOLVEMENT

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**CNCF KubeVela Project** | Contributor | GitHub & Slack community

**A Hello World for AgenticAI Coding** | Creator | YouTube - [https://youtu.be/t88im\\_V3zQg](https://youtu.be/t88im_V3zQg)

**K9S (Kubernetes CLI UI) | Contributor** | Github & Slack community

**Ansible-Role-Pi-K8S (RPI4 Kubernetes cluster installer)** | Author | GitHub

**Kolossi.EasyLife null-tolerant LINQ library** | Author | NuGet & GitHub

**Octopus Deploy Task Template library PRs** | Contributor | GitHub

**Python 2.x core finalizer bug repro contributor** | Contributor | Python.org community

**Kube-Prometheus documentation** | Contributor | GitHub

**Engineering explainer docs and talks** (Async/Await deadlocks, SQL transactions, CGroup throttling, etc.) | Author

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## ADDITIONAL INFORMATION

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**Private Pilot Licence** | JAA-PPL(A)/SEP, 180 hours in the logbook

**Advanced Driving Qualifications** | IAM

**Previously voluntary roles** | Parent Governor, Parish Councillor

**Pickleball player** | DUPR rating 3.0-3.5