



Blog: paulhale.com

## Paul Hale

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### Profile

I have over 25 years professional IT experience where I have accumulated excellent stakeholder management, systems analysis and technical skills. For the last 5 years I have focused on Azure cloud migration projects. I am also a highly competent and experienced systems engineer and full-stack software developer.

I work well collaboratively, in agile DevOps driven development teams, and set realistic expectations and delivery goals.

### Cloud Migration Experience

As an Azure Cloud Solution Architect, I have:

- Performed deep systems analysis for aligning cloud strategy with business strategy
- Assessed cloud migration requirements and presented options for Azure IAAS, PAAS and SAAS solutions and implemented the best options
- Collated and authored high quality technical design documentation
- Migrated workloads from on premises environments to Azure using official 'Azure Migrate' tooling
- Migrated many on premises Virtual Machines into Azure IAAS VM's
- Migrated several on premises SQL databases into Azure SQL using Microsoft's 'Data Migration Assistant' tooling
- Migrated DNS Zone records into Azure AnyCast DNS
- Migrated Gmail accounts to Office 365
- Migrated Dropbox accounts to SharePoint and OneDrive
- Migrated static, ASP.NET and WordPress websites into Azure PAAS hosting
- Gained automation experience using Azure CLI and ARM templates
- Modified backend code to be Azure storage compatible
- Successful cloud migrations for almost 100 businesses

### Cloud Security Experience

As an Azure Cloud Security Engineer, I have:

- Configured Azure host-level, data plane and storage account security
- Configured and managed Azure Network Security Groups (NSGs)
- Configured and managed Azure Resource Manager policies
- Configured and managed Azure Roll-Based Access Control (RBAC)
- Configured Azure Security Center and security alerts
- Complied with cyber security governance, risk, and compliance mandates

## Office 365 & Solution Architect Experience

As a Solution Architect I have become a SME for the provision, usage and development of office 365 apps:

- Provisioned Microsoft Office 365 accounts and groups
- Provisioned Microsoft Teams and integrated VOIP phone systems
- Provisioned and configured enterprise level SharePoint and OneDrive
- Provisioned and implemented PowerBI rollouts
- Developed custom Dynamics 365 CRM apps
- Dynamics 365 integration with Azure Function and Logic Apps
- Designed PowerBI reports and surfaced within Dynamics 365
- Power App and Power Automate zero code and low code development

## Full Stack Development and DevOps Experience

As a developer I have been writing code for over 25 years and have used many languages, libraries, frameworks and technology stacks:

- I am an advocate of Software Craftmanship best practices and continuously strive at keeping code bases clean, DRY and free from technical debt
- I implement tried and tested design patterns where possible
- Experience of building tailored development environments, Git, CI/CD Pipelines, release automation and integration with Azure DevOps (Formerly VSTS)
- Azure Serverless Function and Logic App Development
- .NET Core, MVC and C# dynamic web sites
- Microservices development using Rust, TypeScript, JavaScript, C#, .NET Core and Node
- Microservice orchestration experience with Azure Service Fabric and Kubernetes running in GCP
- TypeScript/JavaScript, React/Preact frameworks
- Native Web Components and Polymer Elements
- Progressive Web App development (PWAs)
- Rust and WebAssembly development (Yew framework)
- AMP website and AMP web story development and conversions
- Docker and Container experience
- TDD and BDD
- MS SQL, MySQL and NoSQL (MongoDB) and Redis
- Comfortable working in a Windows or Linux environment
- Excellent BASH scripting experience
- Currently studying Azure data factory, React.js, Vue.js and SwiftUI

## Most Recent Contracts

### Cloud Solutions Provider • Full Stack Developer

Domainscanners: Milton Keynes, 2005 - Date (Owner, Freelance, Contract)

Cloud migration and solution SME. I architect and build customised cloud solutions that meet any businesses immediate organisational goals and seamlessly elevate them to the latest industry standard technologies.

Recent achievements and experience include...

- ✓ Architected and implemented Domainscanners multi-cloud hosting platform
- ✓ Successful cloud migrations for almost 100 customers
- ✓ Managed cloud and cloud security solutions
- ✓ Azure DevOps and in-house development environments
- ✓ Azure Serverless Function and Logic App Development
- ✓ Microservices development using Rust, TypeScript/JavaScript, C#
- ✓ Development with Node and .Net Core
- ✓ Development of custom back office apps and systems
- ✓ Office 365, Teams, Dynamics 365 provision, management and app development
- ✓ AMP website/story development

Through Domainscanners I have also worked on many freelance and contract assignments for many companies, most recently:

### SymStor

Provided cloud consultancy, expertise and guidance on Azure options, DevOps implementation strategy, automation and security. Developed custom backend code using C# for Azure table storage through Azure serverless function and Logic apps.

### Supersize Print

Migrated customers co-located servers into Azure. First stage involved migrating the servers into Azure IAAS Virtual Machines with zero downtime. Stage two migrated the VM's into Azure PAAS and re-writing backend code using C# to interact with Azure blob storage.

### Aldermore bank

Development of high performant microservices written in Rust and orchestrated using Azure Service Fabric. This was a feasibility project designed for benchmarking heavy load transactions. Data was surfaced using a LightSwitch App.

#### Full Stack Lead Developer

Safenames: Milton Keynes, 2002 - 2005 (Partner / Lead Developer)

Delivered a web based international domain name registration portal used to consolidate international domains. Development work was focused mainly on the backend consuming various 3<sup>rd</sup> party APIs.

Stack: ASP.NET, C#, SQL.

#### Mobile Developer

Vodafone: London, 2000 - 2002 (Contract)

Worked on Vodafone's mobile WAP portal that delivered sports and news articles to mobile devices over Vodafone's network.

Stack: WAP, WML, Java, JSP

#### Mobile Developer

KPNQwest: The Hague, Holland, 1999 - 2000 (Contract)

Worked on surfacing contact, calendar and email to Nokia 7110 phones over WAP. This might seem a little silly now, but you should have seen all the managers faces as they walked around accessing their calendar and email for the first time on their mobile phones back in 2000.

Stack: WAP, WML, ASP, C# / VB

#### Developer / Technical Author

BP Oil: London, 1998 - 1999 (Contract)

Developed a common desktop operating environment app to simplify and speed up deployment and documented server and desktop rollout best practises.

Stack: Visual Basic

#### Developer

Mercedes Benz: Milton Keynes, 1997 - 1998 (Contract)

Worked on an in-house centralised print storage / management system that was accessible to all Mercedes Benz dealers located around the World.

#### Developer

Deutsche Morgan Grenfell: London, 1996 - 1997 (Contract)

Worked within the banks TAG (Technical Architect Team). Worked on some early intranet and Lotus Notes back office apps.

### PC, Server, Network Engineer, Developer

SD-Scicon / EDS: UK / Europe, 1988 - 1996 (Full Time / Contract)

Started at Scicon as a trainee PC engineer later providing 2nd and 3rd line support.

I was also responsible for the engineering divisions client databases. This was way back in the days of dBase and Clipper. I performed server and LAN installations throughout the UK and Europe for a number of EDS's high-profile clients including General Motors, ATKearney and Rolls-Royce.

### Customers I Have Worked For

Aldermore Bank, Deutsche Morgan Grenfell, EDS, A.T.Kearny, Rolls-Royce, BT, General Motors, HMRC, Hitachi Data Systems, Open University, TNT, Computacenter, Fujitsu, TNT, Royal & Sun Alliance, Mercedes Benz, BP Oil, KPNQwest

### Security Clearance

Currently attaining Active SC Clearance

### Experience Summary

Strong Front End Developer and Front End/UI skills

Strong Back End Developer skills

Strong TypeScript experience

Strong Node.js experience

Strong JavaScript experience

Strong AMP skills (SME)

Strong C#, .NET Core and .NET Framework skills

Strong microservices development experience

Strong Kubernetes and Azure Service Fabric experience

Strong Docker and containerisation experience

Strong Dynamics 365 CRM Implementation and development experience

Strong Azure Function App and Logic App Experience

Strong Cloud experience with Azure (SME) and Google GCP

Strong Cloud migration experience

Strong Cloud Security experience

Strong Cloud Management experience

(currently studying AWS)

Strong DevOps, automation, CI/CD exposure