



DAVID HARRISON

Software Developer

About Me

I'm a multiskilled IT professional covering .Net Software Development, 3rd line Technical Support and networking, data analysis and SQL server Developer & DBA. I have over 22 years' experience working in IT for call center, manufacturing, MSP and fintech industries.



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MAIN FOCUS

- full stack c# .net core (6/7)
- SQL server DBA

SKILLS SUMMARY

Front End UI Design	<div style="width: 70%;"></div>	70%
Middleware Develop	<div style="width: 90%;"></div>	90%
SQL / Backend Develop	<div style="width: 96%;"></div>	96%

SKILL KEYS

.net C# and VB, razor pages Win form, aspx, .net core, MVC, azure, classic asp, windows services, python, bash, perl, php, rest api, soap API, Custom CRM development, security development, docker, podman, postman, dev-ops, confluence, polymorphism, oop, inheritance, xunit, Abstraction, GIT

EXPERIENCE

CSI LTD (software developer)

Birmingham - B37 7NY

2022 - now

- Develop Restful APIs, Integrations solutions, razor and React apps in .net core for external and internal Customers.
- Design Database and Data Warehouse Solutions
- Azure Developer
- SSIS ETL Developer

MortgageKey (IT Manager).

Hessle - HU13 0JA

2017 - 2022

- Developed a bespoke Mortgage CRM for 100+ users.
- Build and support a VMware network/ SAN/ Firewalls.
- Digital Marketing Strategies / Google Analytics integrations for improved targeting.

Ideal Boilers Ltd (Senior Software developer)

HULL - HU5 4JN

2011 - 2017

- Develop an Engineers Tablet App and associated rest services.
- Develop Custom CRMs
- DBA for SQL server estate, Oracle , MySQL

QUALIFICATIONS/ STUDY / EDUCATION

- Open University (2007-2010)
- Microsoft MCPs (2002)
- SAP CRM configuration CR100/ CR580 -2011
- SAP ABAP BC400 Programming (2012)
- Crystal server training lvl 3 (2012)
- HTML 5 course (2013)
- Querying and Administrating SQL server (2014)
- *Cloud-Acadamy -Azure Data Eng DP-203 (2022)*
- Azure - AZ900 Azure fundamentals (2023)
- Azure - DP900 Azure Data fundamentals (2024)

SKILL KEYS CONT.

SQL Server DBA, SQL developer for (TSQL, stored Proc, views, custom functions), SQL security, ETL, SSMS, SSIS, SQL Replication, SQL BaR, Performance Tuning, Oracle, MySQL, Azure SQL, big data, Azure synapse, data-bricks, data factory pipelines

Network Administrator for Linux, Windows, Solaris. Systems: Cisco, Aruba, HP, configure : (Firewalls, routers, switches, Sophos, Sophos XG) , SAP R3, ABAP Programming,AD, DNS, DMZs, DHCP, WINS, Ring Central VoIP, Azure, VoIP, Apache, Samba, Debian, Fedora, VMWare, O365,

FURTHER INFO

Software Development (2002 onwards)

- Software Developer since 2002. Started in class ASP writing CRM solutions.
- Main Development Languages C#, VB.net, tSQL, and usual web (html, css, JS, jquery, bootstrap, some React).
- Development focus: ASPx, .net core, azure, win forms, web forms, APIs (SOAP / JSON / restful services, signalR , web hooks), Windows services, classic ASP, VB 6, VBScripts, DHTML, CSS 3, bootstrap, ADO, com, ADSI, SAP Nco 3, python, bash, perl, php, node js, Es6... plus a few more)
- I'm a Self-taught developer, and mostly an autonomous.
- I've Created and supported a myriad of data driven systems.. from fully custom CRMs, ETLs and online Quoting systems for customers such as Powergen (E.on), Hull City Council, Clear Answer cell centre, Cineworld, Ideal boilers (and associated companies), Shepherd Engineering Services, Mortgagekey, Santander, CSI LTD.
- Try to adhere to SDLC and SOLID principles as much as possible and conform to OWASP standards.

SQL DBA / Developer (2005 onwards)

- SQL Developer - TSQL Stored procedures, indexes, constraints & function's programming. Designing 3rd level normalized schemas to meet application requirements. SSMS, SSIS (2005 onwards) and DTS's in 2000.
- SQL server performance tuning (via Profiler / scripts / indexes / table partitioning on larger databases pre 2005)
- Migrating on prem. Databases to Azure. BACPAC method.
- Environment deployments: ISPAC creation for SSIS / DACPAC for database schemas.
- DBA maintenance (scheduling backups or logs / transactions and full databases / restores / test scenarios / index fragmentation monitoring and fixing via scripts or maintenance tasks.)
- SQL replication. Publication & subscription for backup servers.
- I've also installed, upgraded and maintained several Oracle 8i / 10G / 12C databases back in the day. (circa 2005-2010)
- MySQL maintenance: Backup and restores and repairing of corrupt files etc.
- 2022 - Currently self-studying DP-203 Azure Data Engineer Associate., data bricks importing and analysis, data lakes Gen2 storage and synapse. Also creating pipelines in in data factory, data streams for IOT

Network Administrator (2000 onwards)

- Network administrator for Windows (*since NT days*),
- Linux Support: centos and Debian servers, Unix and Sparc.
- Supported a 500-seat call center for KCOM, and 250-seat for Ideal Boilers.
- Building and supporting full IT stack for large businesses on-prem. and azure AD, DNS, DHCP, FAP. Most aspects of support, configuration, deployment and decommissioning servers in Windows 2000 to 2019 editions.
- Networking support of VLANS / WANS / Cisco pix FW IOS / Sophos XG Firewalls. (I've covered _ network principles to CCNA level, and some CCIE - in 2005).
- VMware ESX 5 & 6 installation and setup, SAN with fiber channel HBA failover with Storage VMotion with replicated clustered hosts.
- Set up Ring Central VoIP for a 100-seat call center and support. IVR and account management.

Appreciate the network administration skill are not required for any roles I apply for now, but good to expose a background of knowledge /awareness of environments / tech.