

Kuldeep Singh

Cloud Architect / Data & AI / ESG Sustainability / Manager

Summary

Passionate Cloud and Data Architect with over a **decade** of experience in software engineering, cloud **architecture** and project **management**. Expertise in Microsoft Azure **Cloud**, **Data** & analytics, **DevOps**, **ESG Sustainability** development and **agile** methodologies.

Professional Experience

(11 years)



PwC UK

Cloud Solutions Architect / Manager

London, UK

06/2022 - Present

- ❑ Led the design of a **multi cloud** solution using Azure as the primary cloud for an insurance client, enabling secure data storage, processing, and access across multiple data products.
- ❑ Spearheaded the setup and configuration of **ESG** strategy using **Microsoft Cloud for Sustainability**. Worked with Microsoft product team in designing accelerators for Microsoft Product.
- ❑ Collaborated with leadership to define and implement a comprehensive set of product **adoption KPIs**, enabling data-driven decision-making and aligning the organization's efforts toward driving adoption.
- ❑ Provided **technical guidance** and mentoring to client delivery teams on best practices and standards for Azure solutions.



Microsoft

Cloud solutions Architect

London, UK

07/2019 – 05/2022

- ❑ Collected and synthesized cloud **product feedback** from industry clients, **collaborating** with the Microsoft product team for continuous improvement. Bridged the gap between clients and engineering teams, resulting in enhanced offerings and customer **satisfaction**.
- ❑ Collaborated with a banking customer on application **modernization**, leveraging Azure services for efficient **migration**. Trained development team on Azure Data and analytics services. Resulted in cost optimization and improved **operational** efficiency with Azure services.
- ❑ Conducted workshops and sessions highlighting diverse Azure data and **analytics** services, including a session for the SLT team demonstrating Azure **Security** Center capabilities. This led to the successful implementation of Azure Security Center and Azure sentinel in the customer's environments.
- ❑ Led workshops on 'Developing **accessible** applications,' educating customers on the importance of accessibility in web and mobile development. Demonstrated common issues, recommended tools, and facilitated hands-on exercises for issue resolution, fostering **inclusive** application design skills.
- ❑ Worked closely with an **airport** client to optimize the performance of their airline baggage tracking system. Successfully streamlined **baggage tracking** processes, resulting in reduced instances of leftover baggage at airports and enhanced **efficiency** in delivering baggage to destinations.
- ❑ Collaborated with a **government health** organization during the COVID-19 pandemic to enhance emergency response capabilities. Developed and delivered a **Power Platform** application to efficiently monitor and manage COVID patient count and hospital bed availability. Facilitated **real-time decision-making**, enabling the organization to effectively respond to the crisis and optimize resource allocation.

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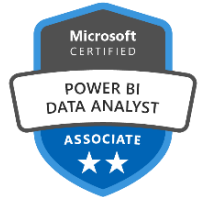
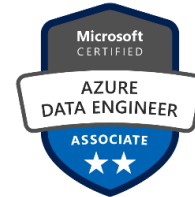
London, UK

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github.com/kuldeepsingh-in

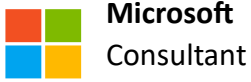
<https://kdlearn.com/>

Certifications



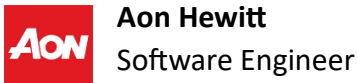
Skills

- ❑ Data-driven business transformation
- ❑ Modernization & Migration
- ❑ Data-driven strategy
- ❑ Innovative cloud solutions
- ❑ Project Management
- ❑ Agile development
- ❑ Microsoft Azure cloud
- ❑ Data and Analytics
- ❑ Sustainability ESG Monitoring and reporting



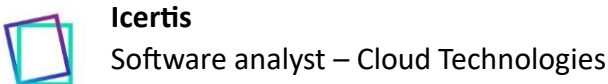
Hyderabad, India
01/2016 – 07/2019

- ❑ Led the database team in the development of a \$42M auditing application for a prominent audits, tax, and advisory firm in London. Oversaw the successful implementation and management of the database infrastructure, ensuring optimal performance and data integrity.
- ❑ Achieved significant optimization in Azure SQL Database performance, resulting in a remarkable reduction in resource consumption costs from \$16k/month to \$3.6k/month. Implemented efficient strategies to enhance performance while effectively managing expenses.
- ❑ Developed a robust methodology for continuous migration, ensuring seamless versioning and migration of schema changes post-production release in alignment with daily builds. Designed and implemented a streamlined process to ensure efficient management of schema updates throughout the development lifecycle, resulting in enhanced release stability and accelerated development cycles.
- ❑ Conducted nationwide technical interviews to attract top talent and recruit exceptional professionals for the organization. Resulted in successfully onboarding highly skilled individuals, strengthening the team and driving technical excellence.



Gurgaon, India
08/2015 – 01/2016

- ❑ Developed a web application 'Hewitt Gateway' with a team of 50+ distributed across the globe.
- ❑ Led the activity of migration of applications from Windows Server 2003 to Windows Server 2008.



Pune, India
08/2012 – 07/2015

- ❑ Contributed to the development of Microsoft's Retail Process Automation application, delivering enhancements, and ensuring uninterrupted availability on Azure. Implemented key functionalities including email notifications, authentication, and user roles for improved usability and security.
- ❑ Developed a mobile application 'HelpBridge' and Implemented Web APIs and Azure mobile services, enabling cross-platform compatibility. HelpBridge served as a crucial communication tool, connecting individuals with their loved ones during natural disasters, ensuring vital connections in critical times.

Technologies

- ❑ Azure Open AI
- ❑ Azure Cognitive Services
- ❑ Azure web/ compute
- ❑ Azure Store, Azure SQL, Cosmos DB
- ❑ Azure Data Factory
- ❑ Azure Synapse Analytics
- ❑ Azure Security and Monitoring
- ❑ Well-Architected Framework
- ❑ Azure DevOps / GitHub
- ❑ Power Platform / PowerBI

Awards



Education & Interests

Bachelor of Engineering (IT)

University of Pune

2008-2012

Interests: Marathon, Hiking