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# Hitesh Chauhan

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**Digital Transformation**

* Over 19 years of digital transformation leadership success, including overseeing enterprise and cloud architecture projects, application portfolio management, directing analysis, design, development, and migration, DevOps, Networking, Infrastructure, and powering fast deployments and industry-leading customer experiences.
* Provided strategic direction and leadership in the architecture of systems and services, working closely with business and broader technology leadership to define the long-term technology strategy for providing applications/systems, evaluating technologies, and generating roadmaps as necessary.
* Minimize the overall Azure cloud operation cost and build policies to improve the cost.
* Delivered architecture for complex projects, promoting architectural best practices for software development and services, and have demonstrated the ability to lead offshore teams to achieve desired results.
* Perform Cost-Benefit analysis for enterprise solutions and Gap analysis, create interim and long-term architecture roadmap, and build a business capabilities chart.
* Working with large teams and involved in the architecture of highly scalable, secure, distributed applications. Crafted architecture standards and best practices and complied with compliance, policies, processes, and methodologies.
* Successfully migrated applications and environments from private to Azure cloud within the stipulated timeline.
* Create an architecture framework and design blueprint for establishing POC to Proof of Points implementation of various applications, platforms, and components.
* In-depth experience developing enterprise solutions using all aspects of the .NET platform, Kafka, Redis, Mongo, and open source, designing and building frameworks, enterprise patterns, database design and application, and environment tuning.
* Lead the design and review processes for new systems, also develop and document the proposed technical design (4+1 View) for the integration and implementation of any new software, working across the IT departments.
* Use software development methodologies like Lean, Agile, Waterfall, and RAD with the help of the ALM tool to increase the visibility of the project development to a broad range of audiences.
* Expertise in troubleshooting cloud and on-prem applications/Infrastructure using APM, networking (NPM), and time-series database tools.
* In-depth knowledge and experience in information systems architecture, software design methodologies, SOA- Micro-services, Enterprise and software design principles and patterns, object-oriented design, and containerization Docker and Kubernetes.
* Proactive and results-oriented leader adept at mentoring and motivating the dynamic team to exemplary performance along with resource planning and estimation.
* Strong Technical and Non-Technical communication skills, including verbal, written, analytical and interpersonal skills

# PROFESSIONAL EXPERIENCE

**Diaspark Inc |** Chicago, IL 2021 - Present

**Client: Confidential**

**Sr. Architect – Azure**

SaaS platform offers a powerful pricing tool capability that consolidates multiple applications into one seamless solution, aligning with the business vision of maximizing efficiency and profitability. The platform allows internal and external users to easily generate premiums with advanced capabilities that can be integrated with various systems. This solution is designed to be highly scalable and adaptable, allowing it to be leveraged by multiple groups within an organization and even offered as a service to other companies. With our SaaS platform, businesses can streamline their pricing processes, improve their bottom line, and have close to accurate premium to sell more insurance.

* Rationalized 100 plus scattered applications into a single product including migrating the apps to Azure.
* Helped building skilled developers and architect for the client.
* Prepared various architecture view model and process diagrams for different audiences. Created enterprise technical roadmap and capability model of the platform.
* Established processes for delivery and simplified the assignment for the various team.
* Defined Security, Compliance, Governance, Guiding principles, Monitoring & Alerting, support, HA and DR strategies to run the platform in the multiple regions.
* Mentor the other architects and the development teams
* Closely work with the business to help with the requirement, capabilities, cost estimation and KPIs for the platform
* Partnered with different teams to improve the cloud footprint and enable continuous innovation, while reducing overall costs by avoiding unnecessary POCs work and Azure services.
* Saved cost by avoiding unnecessary POCs work and Azure services. Overall, lowered the cost for different environments.
* Manage the teams of 30 peoples.

Azure PaaS, IaaS, Container App, API Management, Application Gateway, WAF, SQL Database, App Services, JetFrog, Key vault, App Configuration, AppInsights, Monitoring, Streaming, Event Hub, Azure function, Azure Service Bus, Azure DevOps, Azure storage, Azure Redis, Logic App, Python.

**Client: Confidential**

**Sr. Solution Architect – Azure & AWS.**

The financial client needs to migrate their risk assessment system from a private data center to Azure. The system has many applications and services. The system consists of multiple applications, batch jobs, and microservices. Also, the business strategy is to run another third-party multitenant digital onboarding system in AWS. The client wants to run their products in different clouds.

* Establish multiphase migration and modernization plans for the various systems of the enterprise.
* Build Kubernetes environments with AWS and Azure-managed Kubernetes services. Establish end to end process model from development to support the infrastructure and systems.
* Eliminate the private data center issues related to High Availability, scalability, and other shortcomings. Estimate the cost to run the workload in the cloud after assessment.
* Cloud capacity planning for networking and infrastructure supports high-volume transactions and data along.
* Collaborate with different teams for every step of migration and modernization.
* Document the solution design (AWS and Azure), including diagrams, data, domain modeling, and DR strategies.
* Help the management with various enterprise-level review processes such as security (infrastructure & networking), monitoring & alerting, Testing, L3 support, vulnerability scanning (code and container), etc.

Azure PaaS, IaaS, AKS, API Management, W.A.F., Frontdoor (CDN), SQL Database, Managed Instance, App Services, Container Registry, Keyvault, App Configuration, AppInsights, Monitoring, Streaming, Eventhub, Azure function, Azure Service Bus, Azure Batch, Azure DevOps, Azure storage AWS Fargate, ECS, WAF, EKS, API Gateway, Advanced Shield, Datadog, Compass, Github, S3 bucket, Cloud Front (CDN), DynamoDB.

**Global Logic** |Chicago, IL 2020 - 2021

**Sr. Solution Architect – Azure & AWS.**

Led a digital transformation for a global Vet company to build a cloud-native global platform for hospital management. Empowering the platform with multiple capabilities to support global demands such as multilingual, globalization, bot, communication, and templating. Infusing AI to make the right decision and remove human intervention from all communications.

* Collaborate with **the client executive leadership to define cloud-native solutions for the platform**—advice on cloud services, Automation, AI, DevOps, and cognitive services.
* **Lay down the design for the global communication capabilities for the enterprise architecture. This will reduce 99% of staff efforts to route the incoming messages and eliminate staff involvement in sending the documents upon a client's request**
* Mentoring other architects related to enterprise architecture to build a global petcare product and sustainable infrastructure backbone to roll out features without downtime.

**Enterprise Architect – AWS**

* IT assessment for the client as part of M&A so that the investors and C-level executives can see and evaluate the technical liabilities of the buyer’s company. The assessment includes all the IT, not limited to the application, networking, Infrastructure, and skills evaluations.
* Build the application portfolio management.
* Migrate the newly acquired company infrastructure to AWS, and define the end architecture and governance plan.
* Define the transition path to modernize the application and make it cloud-native.
* Work with CIO to align the new company’s IT with the existing IT strategies.

**Retail**| Chicago, IL 2013 – 2020

**AZURE CLOUD ARCHITECT**

* + Create End-to-End design for various applications for on-prem and Azure cloud platforms.
  + Design and architect enterprise notification capability for different notification mechanisms (Email/Mobile/Application/Text).
  + Introduced a new Return Merchandise Authorization process and saved manual person-hours through automation.
  + Capacity planning for various new products like Elasticsearch, Redis, and Docker/Kubernetes.
  + Make internal legacy applications accessible from outside using Azure Application Proxy.
  + Architect applications using Azure Iaas/PaaS, Azure Event hub/grid/service bus/service fabric.
  + Azure migration for Hyper-v and VMware vSphere virtual environment. Movere and Azure migration tool.
  + Build a solution using Azure managed services StorSimple and Blob storage to archive large data to Azure archive storage to minimize costs.
  + Azure ML/AI for building intelligence in applications.
  + Build enterprise capabilities using API gateways (NGINX/Apigee) for external partners.
  + Promote Domain-Driven Design usage and establish guidelines.
  + Automate CI/CD for APIs and applications using Chef, Chocolatey, JMeter, Jenkins, Git, Azure DevOps.
  + Architect MVC/Angular application and laid out the best practices.
  + Use Elasticsearch, Splunk ML, to predict patterns and identify application behavior.
  + Design and architect mobile platforms using Xamarin for Android and iOS.
  + Mentor development teams.

Azure PaaS, IaaS, I.A.M., Notification/Event/IoT hub, Docker/Kubernetes/Swarm, Office 365, Apigee, IBM IIB, and MQ, MQTT, SQL, .NET, C#, ASP.NET, Xamarin, O/RM, TFS/VSO, Git, NGINX, Apigee DevExpress, DB2. Azure, Splunk, ELK, Redis, MongoDB, Chef, Dynatrac A.P.M., PowerBI

**Healthcare**| Milwaukee, WI 2012 – 2013

**SENIOR CONSULTANT**

* + Automated static code analysis setup
  + Analyze existing performance with profilers and recommend tools to improve code quality and performance
  + Use MVC T4 template to remove hardcoded values
  + Use unity framework to auto-resolve dependencies
  + Enforce service layer usage across the applications
  + Use Knockout JS to simplify the binding between markup and Javascript object
  + Set up token-based authentication between internal applications along with validation for whitelisted IPs
  + Set up local Nuget Package environment for common contents (DLLs, JS, Less, CSS, and Images)
  + Reduce Gated check-in build time- set up unit test categories and change settings to support multicore for build processing
  + Build an application to automate the database scripts of old databases using TFS API

.NET Framework 4.0, C#, ASP.NET MVC 4, Moq, Unity, EF (enterprise application block), Nockoutjs, Require, Coffee script and Less, ASPOSE., JSON, AJAX, Entity Framework 4.1, TFS 2010, VS 2010, SQL 2008, MVC mini profiler, WCF, TFS API, Code Collaborator.

**Companies and Clients |** India,Chicago, IL 2004 – 2012

**DEVELOPER & ARCHITECT**

Leveraged advanced-level programming skills to lead software installation and configuration projects. Liaised with

multiple departments and business unit leaders to achieve key deliverables and timelines. Executed projects within

multiple SDLC methodologies (Waterfall, Agile, and Lean) and enterprise frameworks.

* **Engaged by prestigious organizations including** Nielsen, British Telecom, Tech Mahindra, and L&T.

**Technical Proficiencies**

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| **Languages**: | C#, XML, JavaScript, JQuery, VB.NET, PL/SQL, Python, TypeScript |
| **Technologies**: | ASP.NET Core, ASP.NET MVC, Web API, Azure network watcher, Azure  Monitoring services, Xamarin, Angular, Elasticsearch (ELK), OAuth, SAML, Docker container, Kubernetes, Xamarin, Grafana, Prometheus, Istio, Envoy proxy, Kafka, Twilio,  ExactTarget, Sendgrid, Tensorflow, IVR, Mutare, CRM, OKTA, Akamai, Cloudflare (CDN  and WAF), FastAPI |
| **Azure & AWS**: | PaaS, IaaS, Office 365, PIM., IAM., Storage, Networking (NSG., Route Table, Firewall, P2P, P2S, Express route), Traffic Management(Front door, Traffic Manager, Application  Gateway, WAF, Load Balancer), CDN., Virtualization, Migration, Governance, CI/CD, ARM template, Policies, Az CLI, AWS. Console, IoT hub, Notification Hub, Event Grid, Hub, Service Bus, Service Fabric, Kubernetes, Docker, Powershell, Azure Function, Azure advisor, Monitoring, Alert, etc. |
| **Tools and Frameworks:** | VS 2005-2019, Visual Studio Code, ANTS Profiler, Process Monitoring, Debug Diag,  Debug View, PowerShell, Enterprise Architect, Visio, FxCop, NDoc, Websphere IIB. and  MQ, Sandcastle, Snoop. Splunk, SoapUI, PostMan. DevOps tools (Chocolatey, Terraform, ARM template, Bicep & Chef).  Security OWASP ZAP. TOGAF., Application Portfolio Management. |
| **Source Control & CI/CD:** | Azure DevOps, Github, BitBucket, Mercurial, TFS, Chef, Xebialab |
| **Web Server:** | IIS, N.G.I.N.X., Apache, Kestrel, and IIS express |
| **Database:** | SQL Server, Oracle 9i. MongoDB, MySQL, Influx, DynamoDB and Azure CosmoDB |

**Education and Certifications**

DAVV | Indore, India

**Master of Business Administration (M.B.A.)**

Vikram University | Ujjain, India

**Bachelor of Science, Computer Science**

**Azure Solutions Architect (Expert) Certificate**

**Additional Certifications:**

Oracle Certified Associate (DBA9i)

Redis Certificate (Redislab University)

MongoDB (four-day workshop)

Docker (four-day workshop)

Professional Scrum Developer Training, Scrum.org