Falls Church, VA-22044 Junaid Khan Email: jskhan84@hotmail.com Mobile: 973-641-9255

Sr. Cloud Engineer/Cloud Technology Specialist

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Summary

* IT Professional with **total 11 years & 3 years hands-on experience** in **designing, deploying, and operating highly available, scalable systems** using **Amazon Web Services (AWS)/ Microsoft Azure**.
* **Certified Solution Architect** in Amazon Web Service(AWS) & Microsoft Azure Cloud platforms.
* Expertise in building **loosely coupled, micro-service based** & **server-less architecture-based solutions** using AWS/Microsoft infrastructure & services.
* Proficient in building, deploying & maintaining cloud environment with **IaaS, PaaS & SaaS** offerings of AWS & MS Azure (**VPC**, **ECS**, **EC2**, **AWS Lambda, API Gateway, S3, CloudFront, Route53, SNS, SQS, Azure AD, AppService, ServiceBus, LogicApps, FunctionsApps, Cognitive Services, Bots framework, etc.)**
* Expertise in writing **Cloud Formation Templates (YAML/JSON) & RM Templates** for Azure as **Infrastructure as a Code(IaaS).**
* Hands-on experience in containerization of apps using **Docker & AWS Elastic Container Service(ECS).**
* Practical exposure in setting **DevOps Pipeline (Continuous Integration/Continuous Delivery)** using tools like **TFS, Jenkin,** etc.
* Hands-on Experienced on **Scripting, AWS CLI, PowerShell & Automation**.
* Proficient in implementing security best practices (Writing custom **IAM policies & roles** to govern the platform, Securing credentials in AWS, Encryption in transit or at rest using **KMS**).
* Good understanding & hands-on knowledge in networking concepts like **VPC, Subnets, NAT, Internet gateway, Load Balancers, Auto Scaling, Cross Region Replication**, etc.
* Good knowledge of **Relational Databases (MySQL, SQLServer, Oracle, Postgress, etc**.) and **NoSQL(DynamoDB, Document DB ,MongoDB, etc.)** databases.
* Proficient in designing & developing enterprise solutions using **Amazon Web Services(AWS), Microsoft Azure, Node.js, C#, Typescript & Office UI Fabric, Office 365, SharePoint, ASP.NET Core (MVC, WebFroms), React, AngularJs, Bootstrap, HTML5, CSS3, PowerBI**, etc.
* As Team lead, mentored & groomed team members working in the **GDM (Global Delivery Model).**
* Collaborated & worked closely with **clients, IT stakeholders, Vendors and developed healthy relationships.**
* Possess high working qualities with **good interpersonal skills, high motivation, fast learner, good team player and very proactive in problem solving to provide best solutions**.

Certifications

* **AWS Certified Solutions Architect - Associate**
* **Architecting Microsoft Azure Solutions**
* **Developing Microsoft Azure Solutions**
* **Developing Microsoft SharePoint Server 2013 Core Solutions**

TechnicalSkills

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| --- | --- |
| Technology & Platform | Amazon Web Service, Microsoft Azure, C#, ASPNET Core, ASPNET MVC, Office365, SharePoint, NET, REST/WEB API, WCF, .NET Framework. |
| Web Technologies & Frameworks | Nodejs, AngularJs, React, Typescript, Office Fabric UI, Bootstrap, SPServices, CSOM, REST API, JQuery, AJAX, Drupal, PHP, HTML5, CSS3 & JavaScript, etc. |
| Tools & Services | Team Foundation Server(TFS), Visual Studio Code, NPM scripts, AWS CLI, PowerShell, Shell Scripting, Selenium Web testing, Site SpeedIO, Webpack, Microsoft PowerApps, Flows, Forms, PowerBI, SQL Server Reporting Service, SharePoint/ InfoPath Designe, Nintex Workflows. |
| Database | DynamoDB, CosmosDB, Microsoft Azure SQL, MS SQL Server, MySQL, Postgres, Oracle |

ProfessionalExperience

**World Bank Group Washington, DC May 2018 – Till date**

**Cloud Technology Specialist**

**Container Based App Migration:** As part of Cloud Migration strategy**,** Customeridentified a need to move to modern container-based architecture to reduce on-premises server, and legacy software footprint. In first phase five applications are identified which are getting deployed with docker based containers in AWS Elastic Container Service (Fargate Clusters).

**Responsibilities:**

* Closely worked with app team to understand existing app structure & dependencies for docker container deployment.
* Finalized base images for back-end/front-end services & publish them into ECS private repository.
* Based on app team inputs, created three separate Cloud Formation template to create app image repository, Application Load balancer & AWS Farget Cluster.
* Created docker file & shell scripts for pushing app package to the private repository.
* Worked on AWS secret manager & IAM roles to secure credentials & keys.
* Installed & configured SSL certificates on application load balancers.

**Tools & Technology**: AWS ECS (Fargate cluster), Application Load balancers, CloudWatch, Docker, Linux, AWS CLI, Shell scripting, CloudFormation.

**World Bank Group Washington, DC Dec 2017 – Mar 2018**

**Cloud Technology Specialist**

**CVENT & SABA Integration:** Customer is using CVENT – a cloud based event management portal, for managing large learning events and other relevant courses. To save manual sync effort, CVENT & SABA Integration is implemented where various events (with sessions) created in CVENT synchronized (both inserts and updates) with SABA system.

**Responsibilities:**

* Collaborated with IT Manager to understand the requirement & offered technical approaches.
* Worked on a prototype using AWS services & presented proposed solution to customer.
* Designed & developed end to end solution using AWS Step Functions, multiple Lambda functions, API Gateway, S3 & SES services to provide resilient design.
* Explored & used AWS secret manager for securing SABA & CVENT credentials.
* Worked with architecture review board for approval & accreditation.
* Created CloudFormation templates for consistent QA & PROD deployments.

**Tools & Technology**: AWS Step Function, API Gateway, Lambda, S3, SES, AWS Secret Manager, VSCode, AWS CloudFormation.

**World Bank Group Washington, DC Aug 2017 – Nov 2017**

**Cloud Technology Specialist**

**Open Data Interface** is a global solution that receives 40 million hits per month to get public disclosure information. It is a simple get/post URL that returns data from a .NET application hosted in the DMZ. Open Data Interface provides primarily caching and acts like a reverse proxy; when it cannot satisfy the request from the cache, it invokes the Backend service hosted in DMZ, retrieves, and caches the data and provides it to the requester.

**Responsibilities**:

* Closely worked with IT stakeholders to understand existing system to replicate in AWS platform.
* Designed & developed complete end to end solution using AWS CloudFront, API Gateway, Lambda Function & S3 bucket.
* Created IAM policies to restrict console access for app team only to their own resources.
* Worked with architecture review board for approval & accreditation.
* Created CloudFormation templates for consistent QA & PROD deployments.
* Assisted business with setting up API metrics & analysis dashboard

**Tools & Technology**: AWS CloudFront, API Gateway, lambda, S3, VSCode, AWS Cloud Formation.

**World Bank Group Washington, DC Nov 2016 – July 2017**

**Cloud Technology Specialist**

**External User Monitoring (EUM 2.0)** is custom containerized app that collect browser EUM telemetry for WB applications to gain the insights into the visits of the users for external facing websites. The collected data will be leveraged to understand user preferences and their experience when they visit these sites.

**Responsibilities**:

* Developed a single page AngularJs app that is used to add/remove/update apps for synthetic monitoring.
* Wrote Selenium web driver scripts for various authentication mechanism in WB apps.
* Setting up CI & CD pipeline for continuous build & release management.
* Worked with dev teams to set up a protocol for consistent JSON format for intercommunication between components.
* Setting-up grafana dashboard for leadership team.

**Tools & Technology:** Docker, Linux, AngularJs, NodeJs, AWS Lambda, S3, Postgress DB, SiteSpeedIO Plug-In, VSCode, TFS, Notepad++, AWS CloudFormation.

**Novartis Pharmaceuticals East Hanover, NJ Jun 2016 – Sep 2016**

**Techno- Functional Lead**

**BOT Builder** provides the single custom user interface for Novartis Knowledge Base Owners, to manage the Questions and answers. It uses QnA Maker API, to manage all the Knowledge Base in a single instance. By leveraging Microsoft Cognitive Services, Bot system will interpret the queries and understand the natural language and look for the answers.

**Responsibilities:**

* Designed & Developed a ASP.NET MVC App used for managing Knowledge Base in Azure SQL.
* Provisioned Q&A maker service, Bots framework & Cognitive services.
* Designed & Developed interface to allow user to upload Questions & Answer as blob storage, FAQ link & Question with answers.
* Worked with Cloud Engineering team for RM template execution & post deployment integration.

**Tools & Technology:** Microsoft Azure SQL, Q&A Maker Bot Service, Microsoft Azure Cognitive Service, MVC WebApp, C#, Azure Blob Storage, Visual Studio IDE & TFS.

**Novartis Pharmaceuticals East Hanover, NJ Aug 2015 – May 2016**

**Techno- Functional Lead**

MINova is a Global solution, having more than 10,000 users in more than 50 countries (site collection) that enable the Medical Information group to respond to unsolicited medical enquiries that are related to Novartis products from Healthcare Professionals, Patients and public.

**Responsibilities:**

* Closely worked with Novartis Medical Information teams and IT stakeholders to understand their IT needs & implemented proposed business process workflow as end-to-end IT solution.
* Developed PoC’s using Microsoft Azure, ASP.NET, C#, Nintex workflows, etc.
* Developed multiple custom components & utilities in C#, Silverlight, Jquery, SharePoint, etc.
* Prepared, executed IQ, OQ & PQ documents & delivered all documentation without single audit observation.
* Successful delivered projects with quality IGM standards deliverables.

**Tools & Technology:** Microsoft Azure, .NET, SharePoint 2010, JQuery, SP Services, C#, JavaScript, Visual Studio 2013, Windows Server 2012, SQL Server 2012, Infopath forms.

**Novartis Pharmaceuticals East Hanover, NJ Nov 2013 – July 2015**

**Production Support Lead**

IT Factory is a managed services project, which is about getting all Oncology application in single umbrella of support so that consistent IGM process & guidelines can be adopted across all applications. Oncology IT Factory operating model was based on IT Infrastructure Library (ITIL).

**Responsibilities:**

* As Production Support Lead, supported more than 15 apps (SharePoint + .NET) & collaborated with external designing agencies to streamline requirements based on business needs.
* Planned & assigned work for offshore & onsite team members & coordinated with them for the day-to-day activities.
* Resolved multiple critical production issues for confidential application without affecting business operations.
* Good understanding of ITIL process like Service Management, Incident Management, Change Management & Problem Management.

**Tools & Technology:** NET Framework 3.5, SharePoint 2013/2010, C#, JavaScript, Visual Studio 2013.

**Novartis Pharmaceuticals East Hanover, NJ Aug 2012 – Oct 2013**

**SPOC (Single Point of Contact) / Techno- Functional Lead**

Critical Positions Repository (CPR) site is a talent management tool used by Oncology unit. The primary goal of this site is to provide a system for the Novartis Oncology to manage its critical positions and succession plans, and monitor talent depth and strength KPIs.

**Responsibilities:**

* Created one-click windows app solution, which fetch data from SharePoint lists & generates PowerPoint presentation based on business logic.
* Created Timer jobs that extracts data from various SharePoint list on daily basis & sends an excel report to HR Manager.
* Development of Nintex workflows & SP event handlers to automate business process.
* Led and mentored the offshore team of 5 to 7 members working in the GDM (Global Delivery Model) model for projects and support activities.

**Tools & Technology:** NET Framework 4.0, SP 2010, C#, JQuery, Microsoft Office 2010, SP Web services, C#.

**MERCK, US Pune, India Nov 2010 – July 2012**

**Senior Software Engineer, Offshore Lead**

Registration, Authentication, Authorization & Validation (RAAV) was a framework developed for different portals of Merck to provide core features like Registration, Authentication, Access management & Validation. RAAV was configurable & localizable at sites & country level (<https://www.univadis.com.au/>)

**Responsibilities:**

* Led a 4-member team for helpdesk UI module and trained them in enhancing the SharePoint skills.
* Created a culture of autonomy, responsibility and accountability within the team members.
* Development of various components for Helpdesk UI using ASP.NET & SharePoint 2010.
* Implemented User Profile service using WCF Services, Business Layer and Data Access layer.
* Performed code review & documentation review as per industry standards**.**

**Tools & Technology:** NET Framework 3.5, WCF, JQuery, SharePoint 2010, SP Services, C#, JavaScript, Visual Studio 2010, Windows Server 2008, SVN, SQL Server 2008 R2, Oracle 10g.