

SHREEANSH SRIVASTAVA

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Software Developer

SUMMARY

- Over 2.5 years of hands-on experience architecting, developing, and managing enterprise-level integration solutions on Azure Cloud, ensuring robust, scalable, and secure deployments.
 - Demonstrated expertise in Azure PaaS, backend development, and serverless technologies, delivering cost-efficient, high-performance solutions across the banking, sustainability, healthcare, and education sectors.
 - Led end-to-end cloud migration projects, optimized Azure infrastructure, and drove digital transformation initiatives to align with evolving business requirements.
 - Renowned for advanced problem-solving, DevOps, and automation skills, consistently bridging IT and business objectives to create innovative and sustainable cloud solutions.
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WORK EXPERIENCE

Celebal Technologies - India *Software Developer, Enterprise Integration* **April 2022 - Present**

- Engineered multi-cloud integration solutions across Azure, GCP, and AWS to ensure seamless system connectivity and optimized performance.
 - Developed scalable backend and integration services using serverless and cloud-native technologies, reducing operational overhead.
 - Enabled reliable data flows with event streaming and messaging services, improving real-time data processing and system synchronization.
 - Implemented robust cloud security measures, ensuring safe, compliant integrations and protection of sensitive data.
 - Ensured high availability through proactive logging, comprehensive monitoring, and automated recovery processes to minimize downtime.
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PROJECTS

NexusOne Integration Dashboard

- Spearheaded API development by architecting and implementing a robust backend stack and OData APIs for the NexusOne Dashboard, collaborating closely with BAU teams and architects on critical design decisions.
- Engineered a scalable integration monitoring solution with OData APIs, providing centralized visibility and streamlined management of organizational integrations.
- Consistently delivered high-quality backend components ahead of schedule, maintaining robust functionality and adherence to coding standards.
- Utilized a code-first approach with C# EF Core for efficient database modeling, simplifying schema evolution and minimizing development overhead.
- Integrated Audit.NET to monitor and track database changes across all tables, ensuring comprehensive audit trails for compliance and effective troubleshooting.
- Automated Entity Framework Core migrations within DevOps pipelines, optimizing CI/CD processes and reducing manual intervention.

- Developed comprehensive unit and integration tests to validate system reliability, catch regressions early, and enforce code correctness.
- Improved overall system performance by grouping transactions and updating statuses asynchronously, reducing latency and enabling efficient parallel processing.

Technologies used: Function Apps, APIM, Service Bus, C# ASP, OData, Log Analytics Workspace, Azure SQL, OAuth2.0, Entity Framework with Auditing

Modern Integration Framework for System Connectivity

- Developed scalable integration solutions between source systems and F&O using Azure Functions and C#, ensuring efficient and secure data flow.
- Engineered a transaction-based data model to manage transaction locking and unlocking, thereby ensuring high data integrity and operational reliability.
- Automated data synchronization through cron-based and HTTP-triggered workflows, significantly reducing manual intervention and streamlining processes.
- Implemented robust retry mechanisms, advanced exception handling, and comprehensive error logging to enhance resilient data processing.
- Enhanced code maintainability and scalability by leveraging dependency injection, modular design, and SOLID principles, optimizing overall system performance.

Technologies used: Azure Function App, APIM, Azure Service Bus, C#, Entity Framework, Azure Blob Storage, OData, Azure DevOps

Azure Integration for Airline Company

- Engineered an automation system that deploys Azure services by converting Excel inputs into dynamic Terraform scripts, streamlining resource provisioning.
- Optimized backend Node.js logic to reduce SQL Database calls, significantly enhancing system performance and response times.
- Developed Excel parsing functionality to generate Terraform scripts programmatically, integrating Azure Repos and CI/CD pipelines for automated deployments.
- Created and maintained stored procedures that streamlined database operations and supported complex automation workflows.
- Executed comprehensive system testing to ensure high reliability, scalability, and seamless Azure service deployments.

Technologies used: C#, .NET, Azure Functions, SQL Server, Azure DevOps, Azure Logic Apps, APIM, Azure Monitor, Azure App Service, Azure Blueprints.

Azure Service Deployment Automation

- Engineered an automation system for deploying Azure services by converting Excel sheet inputs into dynamic Terraform scripts, enhancing cloud resource provisioning.
- Optimized backend NodeJS code to minimize SQL Database calls, significantly boosting system performance and reducing response times.
- Implemented robust Excel parsing logic to programmatically generate Terraform scripts, automating deployments via Azure Repos and integrated CI/CD pipelines.
- Developed and maintained SQL stored procedures to support automation workflows and streamline database operations.
- Conducted rigorous system testing to ensure high reliability, scalability, and seamless Azure service deployments.

Technologies used: NodeJS, NestJS, Azure Functions, SQL Database, Azure DevOps, Terraform, Azure Logic Apps.

Azure Automation as a Service (A3S)

- Developed and maintained a comprehensive codebase for end-to-end deployment, monitoring, and cost visualization of Azure resources, ensuring high system reliability.
- Integrated Power BI with embedded tokens to deliver interactive, real-time reports on resource usage and cost tracking, enhancing decision-making capabilities.
- Configured and automated Cron Jobs to schedule and manage Virtual Machine operations, optimizing resource utilization and performance.
- Designed and implemented MSSQL stored procedures, triggers, and scheduled data truncation tasks, streamlining workflows and ensuring consistent data maintenance.
- Leveraged Azure Storage Account and Azure Functions to automate Terraform-based deployments, enabling streamlined and repeatable infrastructure provisioning.

Technologies used: Node.js, Express, Terraform, Azure Functions, Virtual Machines, WebJobs, Azure Storage Account, MSSQL.

Marketplace Integration Listing

- Designed and implemented product listing architecture for AWS, GCP, and Azure marketplaces using Node.js and Express, ensuring scalability, maintainability, and high performance.
- Developed an end-to-end listing solution leveraging iPaaS integrations to automate product entries and updates across multiple cloud marketplaces.
- Collaborated with cross-functional teams to define, optimize, and streamline the listing process, enhancing integration and deployment efforts across cloud platforms.
- Built scalable, modular APIs tailored to marketplace-specific requirements, ensuring efficient product configuration and seamless cross-platform compatibility.
- Enhanced automation workflows to streamline product updates and deployments, minimizing manual effort and accelerating time-to-market across AWS, GCP, and Azure marketplaces.

Technologies used: Node.js, Express, AWS, GCP, Azure, Cloud iPaaS Integration, REST APIs, CI/CD, ARM, AWS Cloud Formation Template

BizTalk to Azure integration Service Migration

- Migrated legacy ESB orchestrations to Azure Logic Apps, preserving schemas for seamless on-prem integration.
- Converted BizTalk pipelines to scalable Azure Function Apps, reducing operational overhead.
- Implemented time-triggered XML data exchanges for secure, efficient cloud flows.
- Centralized maps/schemas with Azure Integration Account to simplify migrations.
- Established robust logging/monitoring for proactive issue resolution.
- Consolidated APIs with Azure API Management, enforcing advanced security.
- Enhanced real-time communication using Azure Event Hub, Service Bus, and Event Grid.
- Applied integration best practices to minimize latency and boost throughput.

Technologies used: Azure Logic Apps, BizTalk, Azure Function Apps, Azure Integration Account, Azure API Management (APIM), Azure Event Hub, Azure Service Bus, Azure Event Grid, C#

TECHNICAL SKILLS

- **Frameworks and Libraries:** .Net, Express, NestJS, ORM (Entity Framework, SequelizeORM), Oauth2.0, SAML, Authentication Code Flows
 - **Languages:** NodeJS, C#, PowerShell, SQL and No SQL, Terraform
 - **Project Domains:** Application Modernization, Enterprise Integration, Infrastructure as Code, API Design, Microservices Architecture, Azure DevOps
 - **Integration Services:**
 - **Azure:** Azure Functions, Azure Logic Apps, Azure Service Bus, Azure Event Grid, Azure API Management, Azure App Services, Azure Storage Services, Azure Networking concepts and services, Azure Infrastructure concepts and services, Azure Load balancers
 - **AWS:** AWS Lambda, AWS CFT, S3, AWS CloudFront, SNS, SQS, API Gateway, DynamoDB, Step Functions
 - **GCP:** Cloud Function, Firebase, Pub/Sub, App Engine
 - **Cloud:** Azure(experties), GCP, AWS
 - **Extras:** IaC, Kafka, Networking, Docker, K8S, etc.
 - **Certification:**
 - **AZ-900** Azure Fundamentals
 - **AZ-204** Azure Developer Associate
 - **AZ-104** Azure Administrator Associate
 - **AZ-305** Azure Solution Architect Expert
 - **AZ-400:** Designing and Implementing Microsoft DevOps Solutions
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EDUCATION

Bachelor of Technology in computer science <i>Poornima college of engineering (Rajasthan Technical University) - Jaipur</i>	2018 - 2022
Senior School Certificate - 12th <i>Kapil Gyanpeeth School - Manasarovar, Jaipur</i>	2018
Secondary School Certificate - 10th <i>Ryan International School - Manasarovar, Jaipur</i>	2016