

# SHREEANSH SRIVASTAVA

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Software Developer

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## SUMMARY

As a Software Developer at Celebal Technologies, I design, develop, and manage robust and scalable enterprise-grade integration solutions on Azure Cloud Platform. I leverage my expertise in Azure PaaS, Backend, and Serverless technologies to deliver value to clients across various domains, such as banking, sustainability, healthcare, and education. My expertise extends to leading cloud migration, optimizing cloud infrastructure for enhanced performance and security, and championing digital transformation efforts. Known for strong problem-solving, automation, and DevOps skills, I deliver cost-efficient, scalable cloud solutions that effectively bridge IT and business objectives

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## WORK EXPERIENCE

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

- Design solutions across Azure, GCP, and AWS for seamless system connectivity.
  - Build backend and integration services using serverless and cloud-native technologies.
  - Enable reliable data flow using event streaming and messaging services.
  - Implement cloud-based security measures for safe and compliant integrations.
  - Ensure availability with logging, monitoring, and automated recovery.
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## PROJECTS

### NexusOne Integration Dashboard

- The NexusOne Dashboard project focuses on designing and developing a centralized platform to provide a unified interface for listing, monitoring, and managing integrations across the organization.
- As the API Developer, I created the backend stack and OData APIs for the NexusOne Dashboard. Collaborated with BAU and architects to make informed design and architectural decisions.
- Designed and implemented scalable OData APIs to support seamless integration monitoring.
- Delivered the backend development ahead of project deadlines while maintaining high quality.
- Adopted a code-first approach in C# EF Core for efficient database modeling.
- Integrated Audit.NET to maintain audit tables for each database table.
- Automated Entity Framework Core migrations in DevOps pipelines for streamlined deployments.
- Wrote comprehensive unit and integration tests to ensure code reliability and functionality.
- Enhanced performance by grouping transactions and updating their status asynchronously, reducing response latency and enabling 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 and F&O systems using Azure Functions and C#.
- Built OData APIs and backend systems for the NexusOne Dashboard, enabling seamless data retrieval and transmission.
- Created cron-based and HTTP-triggered workflows for automated data synchronization, reducing manual intervention.
- Implemented retry mechanisms, exception handling, and error-logging for robust and resilient data processing.
- Enhanced code maintainability and scalability using dependency injection, modular design, and SOLID principles.

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

## Azure Integration for Airline Company

- Designed and managed Azure Integration Services architecture with full environment separation using the Hub-and-Spoke model for optimized performance and scalability.
- Deployed and managed secure APIs on Azure API Management (APIM) with subscription key handling and environment-specific configurations.
- Configured Azure PaaS resources like App Service, Azure SQL Database, and Azure Storage across multiple environments with environment-specific isolation.
- Assisted the networking team in configuring Azure Blueprints to enforce security, compliance, and resource consistency across environments.
- Enhanced CI/CD pipelines using Azure DevOps and streamlined system diagnostics through Azure Monitor for continuous improvement.

**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

- Designed and developed an automation system for deploying Azure services using Excel sheet inputs and dynamic Terraform script generation.
- Optimized backend NodeJS code and minimized MS SQL Database calls, improving system performance and reducing response times.
- Implemented Excel parsing logic to programmatically generate Terraform scripts and automated their deployment via Azure Repos using integrated pipelines.
- Developed and maintained 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 the complete codebase, enabling end-to-end deployment, monitoring, and costing visualization of Azure resources.
- Integrated Power BI using embedded tokens to render interactive reports for resource usage and cost tracking.
- Configured and automated Cron Jobs for scheduling and managing Virtual Machine operations.

- Designed and implemented MSSQL stored procedures, triggers, and scheduled data truncation tasks to support system workflows.
- Integrated Azure Storage Account and Azure Functions to automate Terraform-based deployment of Azure resources

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

### Marketplace Integration Listing

- Designed and implemented the architecture for product listing on AWS, GCP, and Azure marketplaces using Node.js and Express.
- Developed an end-to-end solution to automate the product listing process across multiple cloud marketplaces using iPaaS integration.
- Collaborated with stakeholders to define and optimize the listing process, ensuring seamless integration across cloud platforms.
- Built scalable and modular APIs to handle marketplace-specific requirements and product configurations.
- Enhanced automation workflows to streamline product updates and deployments 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

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## 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
  - **Project Domains:** Application Modernization, Enterprise Integration, Infrastructure as Code, API Design, Microservices Architecture
  - **Integration Services:** Azure Functions, Azure Logic Apps, Azure Service Bus, Azure Event Grid, Azure API Management, Azure App Services, Azure Storage Services, AWS Lambda, AWS CFT, S3, AWS CloudFront, SNS, SQS, API Gateway, DynamoDB, Step Functions, Cloud Function, Firebase, Pub/Sub, App Engine
  - **Cloud:** Azure(expertise), 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

Poornima college of engineering (Rajasthan Technical University) - Jaipur

**2018 - 2022**

### Senior School Certificate - 12th

Kapil Gyanpeeth School - Manasarovar, Jaipur

**2016 - 2018**

### Secondary School Certificate - 10th

Ryan International School - Manasarovar, Jaipur

**2014 - 2016**