Yash Bhutoria

Assistant Vice President

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Professional Summary

As Assistant Vice President at Celebal Technologies, I architect, develop, and manage robust and scalable enterprise-grade integration solutions on Azure Cloud Platform. I leverage my expertise in Azure PaaS, Data Engineering, and Serverless technologies to deliver value to clients across various domains, such as energy, 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.

Professional Experience

Celebal Technologies Americas, Inc.   *01/2025 - Present*
Assistant Vice President - Application Development   *Dallas, TX*

- Handling the P&L as the HOD of Application Development department
- Facilitating communication between technical teams and management personnel
- Analyzing key performance indicators to identify effective strategies
- Pre-sales activities and solution designing
- Strategic planning and advisory
- Using excellent verbal skills to engage customers in conversation and effectively determine needs and requirements
- Evaluating employee performance through observation of job duties as well as feedback from customers and clients
- Managing and mentoring a team of 50

Celebal Technologies Americas, Inc.   *05/2023 - 01/2025*
Principal Consultant, Application Development   *Dallas, TX*

- Handling the P&L as the HOD of Application Development department
- Drafted proposals outlining project scope, timeline, deliverables and cost estimates
- Analyzing key performance indicators to identify effective strategies
- Managing relationships with high value clients of the company
- Facilitating communication between technical teams and management personnel
- Assessed employees through on-site observation and interviews to determine strengths and weaknesses in work performance, methods, and team functions
- Strategic planning and advisory
- Managing and mentoring a team of 45

Gies College of Business - University of Illinois Urbana-Champaign   *10/2022 - 05/2023*
Graduate Research Assistant   *Champaign, IL*

- Evaluated public datasets for Filecoin/IPFS storage suitability to provide universities with better understanding of decentralized storage protocols
- Demonstrated decentralized computing use case over data
- Created analytical model showing cost-benefit tradeoffs of using decentralized storage
- Provided insights on potential benefits and risks of adopting decentralized storage solutions for university IT infrastructure

Celebal Technologies Pvt. Ltd.

Member of Technical Staff, Enterprise Integration

05/2019 - 07/2022

Jaipur, India

- Architecting and developing data integration solutions on hyperscalers like Azure and GCP
- Managing delivery for high value clients
- Growing and mentoring a team of 40 associates
- Technical research, strategic planning and advisory
- Architecting solutions for pre-sales

Celebal Technologies

Associate Data Engineer

10/2017 - 04/2019

Jaipur, India

- Integrating data, performing ETL
- Processing and Modelling Data into OLAP Models
- Creating reports and dashboards from data models
- Creating and Deploying solutions onto Azure

Education

Master of Science in Business Analytics

Gies College of Business, Champaign, IL
Graduated with Beta Gamma Sigma honor

University of Illinois Urbana-Champaign

07/2022 - 05/2023

Bachelor of Technology in Computer Science

Poornima College of Engineering, Jaipur, India

Rajasthan Technical University

07/2015 - 05/2019

Senior Secondary

Jhunjhunu Academy, Jaipur, India
89.80%

CBSE

06/2013 - 05/2015

Technical Skills

Cloud Platforms	Microsoft Azure, Amazon Web Services (AWS), Google Cloud Platform (GCP)
Programming Languages	Python, Go, C#, JavaScript, SQL, PowerShell, Bash, Terraform, R, DAX
Azure Services	Azure Functions, Azure Logic Apps, Azure Service Bus, Azure Event Grid, Azure API Management, Azure App Services, Azure Data Factory, Azure DevOps, Azure Storage
Databases & Analytics	Azure SQL Database, PostgreSQL, MySQL, CosmosDB, Databricks, Power BI, NoSQL
DevOps & CI/CD	Azure DevOps, Docker, Kubernetes, Git, Jenkins, GitHub Actions, Infrastructure as Code (IaC)
Integration & APIs	REST APIs, GraphQL, Microservices, API Gateway, Enterprise Service Bus, Dell Boomi
Data Engineering	Apache Airflow, PySpark, ETL/ELT, Data Pipelines, Data Warehousing, Apache Kafka
Frameworks & Tools	FastAPI, .NET, Spring Boot, Selenium, Pandas, NumPy, Matplotlib, Agile/Scrum
Specializations	Cloud Architecture, Application Modernization, Digital Transformation, Enterprise Integration, Solution Architecture

Projects

- **Integration Modernization (for a Snacks Manufacturer)** (09/2023 - Present):

    - Role: Lead delivery across 5+ projects as an Architect and delivery manager, mentoring and overseeing 20+ Engineers for one of the largest snacks brands of the USA

    - Description: Established new and improved IT processes, standards and framework to streamline the operational efficiency of the customer

- **IPaaS on Azure (for a Hospitality Company at San Diego)** (09/2019 - 07/2022):

    - Role: Lead Offshore Developer, lead a team of 8

    - Description: The customer wanted to eliminate point to point custom data integration solution with a unified and extendable platform. Designed and developed an integration platform on Azure. The project included C# based serverless functions, API Gateway, Cloud-based automated workflows and Infrastructure as Code all deployed and configured with CI/CD Pipelines for automation and agility.

    - Achievements: Finished phase one of the project by going live as part of a company wide technology makeover effort.

- **Data Landscape Modernization (for an Illinois-based Motorparts Manufacturer)** (04/2021 - 04/2022):

    - Role: Architect and Lead Developer, lead a team of 6

    - Description: Modernized the customer's data ingestion landscape by implementing batched data pipelines using Azure Data Factory and eliminating the need for any 3rd party middle-ware saving thousands of dollars in licensing costs. Established mechanisms to consolidate and move data from multiple SAP S/4 instances into Salesforce as aggregates to enable sales order reporting.

- **Data Landscape Modernization (for a Medical Imaging Device Manufacturer in Manhattan)** (10/2020 - 05/2022):

    - Role: Architect and Lead Developer, lead a team of 6

    - Description: Modernized the customer's data landscape by moving from legacy on-premise database to a managed cloud database on Microsoft Azure, bringing down operational and management cost by approximately 40

- **Data Integration on Dell Boomi (for a Global Sports Brand)** (05/2020 - 08/2020):
  - Role: Lead Offshore Developer, lead a team of 4
  - Description: Managed overall offshore delivery, and produced planning and design documents. Developed integrations connecting 10+ systems to run on daily batches and real-time frequencies using Dell Boomi Integration platform as a middle-ware.

- **Learning and Development Reporting (for an Indian Telecom Company)** (04/2019 - 04/2020):
  - Role: Lead Developer, lead a team of 2
  - Description: The project delivered a Power BI dashboard showing learning and development progress and metrics on the entire company. This solution is built to automatically pull the data from the company's various learning platforms, transformed and stored into Azure SQL Database. The data pipelines were built upon API and Selenium-based scheduled jobs.

Academic Research

- **Decentralized storage with Filecoin**: This research aims to provide public universities with a better understanding of the role of decentralized storage protocols in their IT infrastructure, specifically Filecoin/IPFS. The team plans to evaluate which public data sets are suitable for storage using Filecoin, demonstrate a use case of decentralized computing over the data, and create an analytical model that shows the cost-benefit trade offs of using decentralized storage. The output of this research provides universities with valuable insights into the potential benefits and risks of adopting decentralized storage solutions, allowing them to make more informed decisions about their IT infrastructure.

- **Creating LLM-based Dynamic Analytics on CRM and ERP Systems**: This research aims to develop a system that can create dynamic queries and visualizations based on user input and apply natural language processing (NLP) to Customer Relationship Management (CRM) and Enterprise Resource Planning (ERP) systems. The project will involve analyzing large amounts of data from various sources using LLaMA (Large Language Model Meta AI) model and fine-tuning LLMs to specialized queries. The generated queries will be used to create dynamic visualizations, providing users with real-time insights into their CRM and ERP systems. The project used National Center for Super computing Applications Delta supercomputer at UIUC for compute.

Certifications

Databricks Lakehouse Fundamentals, Datacamp Supervised Learning, Exploring and Producing Data for Business Decision Making, Inferential and Predictive Statistics for Business, Azure Data Fundamentals, Azure Fundamentals

Other Achievements and Activities

- **Academic Excellence Award**, Issued by Gies College of Business - May 2023
  Associated with University of Illinois Urbana-Champaign. Awarded for attaining the highest score in the MS Business Analytics cohort.

- **Lifetime Member**, Issued by Beta Gamma Sigma - May 2023 Associated with University of Illinois Urbana-Champaign. CH-34C-3046335. This distinction marks a lifetime membership in Beta Gamma Sigma, the international business honor society that recognizes the top 20% of graduate students in business schools accredited by The Association to Advance Collegiate Schools of Business (AACSB) worldwide.

- **Member of Jury, Manipal National Hackathon (DoIT)**: Mentored and evaluated innovative projects presented by tech students from all over the India in the 24Hr hackathon organised by Department of IT Rajasthan Gov and Manipal University

- **Mentor and Judge, JECRC Hackathon 4.0 (2020)**: Mentored and evaluated innovative projects presented by tech students from all over the India in the 24Hr hackathon organised by JECRC College, Jaipur

- **Expert Lectures at Various Universities**: Delivered multiple expert lectures on Cloud Services, Servelress computation and Modern API Design at University of Illinois Urbana-Champaign, MNIT Jaipur and Manipal University

- **Finalist, TCS Inframind (2019)**: Got to the final round and Pre Placement offer from Tata Consultancy Services for IaaS design competition

- **Finalist HackWithInfy (2018)**: Made it to the top 100 programmers nationwide after clearing two rounds of programming challenges conducted online by Infosys

- **CSE Department Representative (2017)**: Selected as department representative and presented the annual report of Department of Computer Engineering on the occasion of first ever Department Day