

Yash Bhutoria

Enterprise Cloud Architect

Location: Dallas, TX *E-mail:* yash.bhutoria@celebaltech.com

Professional Summary

Dynamic and results-driven Enterprise Cloud Architect with 5+ years of experience in designing, implementing, and managing cloud-based solutions for businesses of all sizes. Proficient in a wide range of hyperscalers and IPaaS platforms, including AWS, Azure, and GCP. Skilled in developing and executing cloud migration strategies, optimizing cloud performance and security, and leading cross-functional teams.

Work experience

Celebal Technologies Americas

Principal Consultant, Enterprise Integration

May 2023 - Present

Dallas, TX

- Architecting and developing enterprise integration solutions on hyperscaler clouds
- Creating standards and research for Application Modernization
- Managing delivery for high value clients
- Growing and mentoring a team of 40+ associates
- Technical research, strategic planning and advisory

Celebal Technologies Pvt. Ltd.

Member of Technical Staff, Enterprise Integration

May 2019 - July 2022

Jaipur, India

- Designing and developing data integration solutions on hyperscalers like Azure and GCP
- Managing delivery for high value clients
- Growing and mentoring a team of 30+ associates
- Technical research, strategic planning and advisory

Education

Master of Science in Business Analytics

Gies College of Business, Champaign, IL

Graduated with Beta Gamma Sigma (ΒΓΣ) honor

University of Illinois Urbana-Champaign

2022 - 2023

Bachelor of Technology in Computer Science

Poornima College of Engineering, Jaipur, India

Rajasthan Technical University

2015 - 2019

Technical skills

Project Domains

Application Modernization, Enterprise Integration, Data Engineering, Infrastructure as Code, API Design

Integration Services

Azure Functions, Azure Logic Apps, Azure Service Bus, Azure Event Grid, Azure API Management, Azure App Services, Azure Storage Services

Integration Platforms

Databricks, Azure Data Factory, Dell Boomi, Google Data Fusion, Apache Airflow

DevOps Tools

Azure DevOps, Jira, Docker, Git

Frameworks and Libraries

FastAPI, PySpark, Selenium, Matplotlib, Pandas, Numpy

Languages

Python, Go, Shell, Terraform, DAX, R, SQL

Certifications

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

Projects

- **iPaaS on Azure (for a Hospitality Company at San Diego)** (10/2020 - 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 server-less 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 - Present):
 - 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 - Present):
 - 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 ~40%. Established batch and real-time data ingestion pipelines from SAP C4C to Azure SQL Database with monitoring using in a Serverless fashion, well-defined procedures for deployment and release using Azure DevOps to ensure collaboration and quality control.
- **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 middleware.
- **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 tradeoffs 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 Supercomputing Applications Delta supercomputer at UIUC for compute.

Other Achievements and Activities

- **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, Serverless computation and Modern API Design at MNIT Jaipur, Manipal University, University of Illinois Urbana-Champaign