Robin Ghosh

15+ years of experience in architecting &
implementing technology solutions. Hands-on
person with Cloud Sales expertise

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EXPERIENCE

Fiserv - Alpharetta, GA

Director of Enterprise Architecture   August 2023 - Present

Key Highlights:

Report to the Digital Transformation CTO, responsible for innovation, architecture, strategy and product launch

Building effective teams through strategic hiring, training, and creating a motivating work environment.

- Embedding Gen AI and Advanced search in financial apps utilizing Mongo Atlas
- OpenAI's text-embedding using -ada-002 models for vectorizing textual content
- Choosing the right embedding model for your RAG application.
- Natural Language Processing (NLP) for tasks such as chatbots and Question-Answering to text summarization and sentiment analysis.
- Managing team performance and providing coaching.
- Hands down Java Spring Boot evangelist and Python development with React-JS UI
- Deep down knowledge of ACH/Payment Processing using industry standard REST-API
- Overseeing long-term department plans in collaboration with other managers
- Identifying areas of improvement and recommending scale and policy changes for efficiency
- Budget development and ensuring adherence.
- Ensuring 99.9% SLA to financial customers through monitoring reports.
- Converting Monoliths to Micro-Service Architecture
- Monitoring industry/economic trends affecting organizational goals.
- Participating in strategic planning sessions with management.

Skills:

- Architecture Design, Vector Search and LLM Workflow, Azure Cloud, Azure App Service, Kubernetes, AWS, Compliance, Snowflake, Sales Force, Zero Trust, AI, Security, Vulnerability, CI/CD

Microsoft - Atlanta, GA

Senior Lead Cloud Solution Architect   April 2018 – May 2023

Key Highlights:

- Designed and implemented customized business solutions for over 28 clients, leveraging Azure Cloud, Azure DevOps, Azure Kubernetes, and Azure PAAS in collaboration with customer architects, IT specialists, managers, and executives utilizing micro services and full stack technologies.
- Modernized several solutions for clients using Azure PAAS and Serverless (low code/no code) technologies.
- As part of the Java Champs group, led the sales for ARO (Red Hat OpenShift) product in Microsoft.
- Led Azure Migration journeys for new clients during the onboarding process and actively contributed to the sales & app innovation groups.
- Working experience with Azure and AWS cloud architecture patterns, Container/Kubernetes based micro services workloads, CI/CD, observability and building resilient and highly available applications.
- Spearheaded the creation and deployment of Continuous Deployment Pipelines for 52 applications, leading to the program achieving its performance targets and advancing to the next phase.
- Helped several customers in Java/Spring with Payment Processing flows on AKS and write pipelines in CI/CD
- Participate with customers in most of their Agile ceremonies and hands on in many focus areas including data.
- Helped several customers with Azure-ML compute services and worked on creating & training their data models for analysis/experiment/exploring usage using Jupyter notebooks and python modules.

Projects:

- For a large US Oil company: Spearheaded the design and implementation of AKS + Terraform to increase adoption and optimize operations practices, resulting in accelerated digital transformation and rebuilding trust with application teams.
- For a large Home Builder: Pioneered the creation of an innovative AKS platform service, equipped with an onboarding engine, that tripled the migration rate for 400+ on-prem apps to Azure and doubled ACR rate.

- For two of the largest shippers: Orchestrated and directed a 3-year, $20 M project, starting from a 3-week workshop, to digitalize and optimize business processes for ground and air services in Azure.
- For a large bottler: Initiated and spearheaded a 2-year, $18.5M project, commencing from a 3-week workshop, to digitally transform and streamline business processes in Azure, setting new standards for operational efficiency.
- Several J2EE projects that require messaging with Rabbit-MQ/IBM MQ and API management.

Skills:

- Architecture Design, Legacy Integration, Azure Cloud, Azure App Service, AKS, Serverless, Key Vault, Redis Cache, SAP and Salesforce integration. MuleSoft, Payment processors, NODEJS, Angular, JavaScript, Typescript, Java, Spring Boot/ Spring Batch/ Oracle /SQL Server and MongoDB. Integration using Apache Camel and Gem Fire

Prokarma - Omaha, NE

Senior Solution Architect reporting to CTO   April 2017 – Feb 2018

Key Highlights:
- Re-architected UI and services into microservices architecture using Angular and Rest API.
- Defined and implemented global web and mobile strategies and developed roadmaps for evolution of enterprise applications.
- Worked with cross-functional teams, assisting in CI/CD and implementing caching strategies using various databases.
- Lead architecture and enabled technology strategy for digital collaboration and web mobility.
- Developed POCs, testing best fit frameworks, and delivering scalable solutions on cloud platforms.

Projects:
- Client: T-Mobile:
  - Led the re-architecture of 8 teams' UI and Spring 2.5 J2EE systems into Angular/Rest API microservices architecture to optimize system performance and scalability.
  - Defined and implemented a global web and mobile strategy, which includes developing roadmaps for the evolution of enterprise applications to support digital collaboration for both internal and external users.
  - Maintained the technical architecture of the product, including the development of POCs to test the best-fit framework, while working closely with senior product managers and cross-functional teams to ensure the best possible solution that can scale linearly in the cloud.
- Client: Incomm:
  - Led the migration of American Express business division to Incomm by creating a new architecture for E-Commerce Cloud solution.
  - Expert in Magento 2, developed Rest API platform with OAuth 2.0 authentication and re-architected UI and NODEJS services layer.
  - Implemented caching strategy using REDIS, utilized MySql cluster and Mongo-DB cluster for two applications, and worked with cross-functional teams to meet the deadline for a live website launch.

Skills:
- Pivotal Cloud Foundry, GCP, NODEJS, Spring Boot/ Spring Batch/ Oracle and MongoDB. Integration using Apache Camel. Angular 1.54 and Gem Fire.

EDUCATION

University of Bombay - India

Master of Science – Computer Science   May 1984 – May 1986
Bachelor of Science – Computer Science   May 1981 – May 1984

SKILLS

Microsoft Azure (Expert), AWS, GCP Firebase, Google Functions, AWS Lambda, On-Prem migrations, Serverless, Analytics, Integration/Messaging Brokers, MuleSoft, JSP/ASP.NET, ARM, BICEP, TERRAFORM, AZ CLI, Azure DevOps, GitHub Actions, Java/JDK, .NET, .NET Core, Python, PHP, SQL, Mongo API, Cosmos API,.

CERTIFICATIONS

Azure Developer, Azure Architect, Azure DevOps, Elastic Path, VMWare Gem Fire, ADOBE AEM Certified

Java Spring, JBoss, TOGAF Certified, IBM TIVOLI and MQ Certified

Project Management: Open Certified Architect with PM Skills to handle 8/12 developers.