NITIN BANSAL

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Summary

- Forward-focused Technology Professional with **18+ years** of insightful experience on Design and Architecture activities inclusive of RFP, PoC, Technical Design, Performance Improvements, Code Reviews, Technical & Functional specifications, and quality management.
- Has over a decade of hands-on experience in Cloud technologies, agile methodologies, execution of product deliveries.
- Seasoned Azure expert with extensive experience in enterprise APIs/ Application design & development, Azure API Management, Azure Services Configuration & Portal management, AppInsights, Azure Monitoring, Azure APIs and Azure DevOps building infrastructure and CI/CD pipelines.
- Expertise in .Net Frameworks, C#, .Net Core, REST APIs, Microservices, Microsoft Azure Cloud, Azure SQL, Azure Service Bus, Azure Functions, CosmosDB, MVC.
- Expertise in Responsive Web Design technologies such as HTML5, CSS3, Bootstrap, ReactJS, React, Vue.js, Redux, Node.js, ES6, TypeScript
- Comprehensive experience in implementing agile/scrum processes on SDLC models. Gathering business requirements and building techno-functional backlog.
- Rich experience interacting with Director, CXO level clients proposing technical solutions to business problems.

Technical Skill Set

Programming Languages	**C#, JavaScript, Typescript**
.Net Technologies	**.netCore**, **C#**, ASP.NET, ASP.NET MVC, Web API, ASP.NET Razor
JavaScript Framework/Libraries	**ReactJS**, Vue.js, Angular, Knockout.js, Require.js, Gulp, Ajax, JQuery, Webpack, Bower, Jasmine, Karma
Middleware	**Azure Functions, Azure Service Bus, MVC, Web API**, **.NetCore**, Web Services, NodeJS, OAuth, OpenAPIs, Dependency injection, Entity Framework, Auto mapper, Peta-Poco, Dapper
Design Methodologies	Modern Design Patterns, MVC, MVVM, **Microservices**
Database	**Azure SQL, CosmosDB, Redis, MongoDB**, PostgreSQL, MySQL, SQL Server, MS D365 Dataverse
Messaging	Azure Service Bus, RabbitMQ, Storage Queues
Cloud Platforms	**Microsoft Azure,** Pivotal Cloud Foundry, AWS
Defect Management Tools	JIRA, TFS, Trello
Azure Expertise	SaaS, PaaS, Azure SQL, Active Directory, Data Factory, Service Configuration, APIM, AppInsights & Monitoring, Azure Functions, Service Apps, Service Bus, Blob storage, KeyVault, Service Principle, Azure DevOps
SDLC Processes	Agile using SCRUM
Configuration Management	Github, Azure DevOps, Team Foundation Server, Teams Suite
CI / CD	MS Azure DevOps, GitLabs, Jenkins, TeamCity, VSTS
Domain/Verticals	CRM, Banking, Finance, FinTech, Real Estate, Debt Recollection, Social Networking & Telecom, Education

Academic Record

- PGDCA from Indira Gandhi National Open University (IGNOU).
- GNIIT Diploma Certification from NIIT Limited in May 2005.
- B.Com. (Hons) from Delhi University, Delhi in May 2005.
- Microsoft Certified Solutions Developer (MCSD) – Web Applications

Work Experience

- **Contractual Roles held since October, 2019**:
  - Worked as **Solution Architect** with firms like **Ernst & Young LLP, EY India,** Orbiz.One, Talent Clouds Solution Ltd. (UK), Fragma Data (Dubai), HARNESS Data Intelligence Ltd. (UK)

- **Solutions Architect** (Manager) at **Ernst & Young Global Delivery Services**
  November 26, 2018 – October 14, 2019

- Solutions Architect (Engineer IV) at **Encore Capital Group (MCM India Pvt Ltd.)**
  May, 2017 – November 25, 2018

- Senior Consultant Engineering (Solution Architect) at **GlobalLogic India Ltd**.
  April 2011 - April 24, 2017

- Senior Software Engineer at **IBM India** (via Artech Infosystems Pvt. Ltd.)
  August 2010 – April 2011

- Senior Software Engineer at **R Systems International Ltd.**
  October 2007 – August 2010

- Systems Developer at **NIIT Ltd.**
  May 2005 to October 2007

Projects Undertaken

o **BQE Core Platform – (BQE, USA)**
BQE Core platform is an all-in-one management solution designed for Architecture, Engineering and Professional services firms that provides intuitive tools for back-office automation to power front office insights. The platform includes real-time Project Management, integrated Project Accounting, Time & Expense Tracking, full-fledged CRM including Billing & Invoicing.

Responsibilities:
- Architecture ownership of re-engineering of the CRM module
- Complete development ownership of the new CRM implementation
- Designing complete Data migration strategy including Data clean-up

Technologies used: AWS Cloud, C#, ASP.net MVC, .net Core, SQL Server, javascript, Github, Jenkins

o **HSBC Global Private Banking & Wealth Platform – (HSBC, U.K.)**
HSBC Wealth Model Transformation initiative identified MS D365 CRM to deliver improvements in servicing for new business, across wealth and Private Bank for all markets to create powerful solutions. Globally aligned features included, Single RM View (Client 360), prospect management, Sales Pipeline, Lead Management and Contact Management. To enable this, integration between on-prem and cloud solutions was needed for data availability from source legacy systems and the new cloud solution.

Responsibilities:
- Designed end-to-end architecture of MS Dynamics365 Integration with Azure Cloud
- Complete development ownership of the event-driven implementation of Dynamics CRM adoption
- Ownership of Cloud infrastructure within HSBC Cloud infrastructure compliance
- Ingestion of Initial Data migration and real-time data into MS D365 data verse through various Source Systems using Azure Service Bus and Azure Functions

Technologies used: Azure PaaS Solution using Azure Storage & Azure Service Bus, Azure Functions, C#, ASP.net

Core, Azure DevOps for CI/CD, AppInsights, Service Principal based Authentication, MS D365 CRM & Dataverse.

- o **Talent Clouds Workforce Vetting Platform – (Talent Clouds, U.K.)**

A single platform that provides vetting processes for workforce onboarding built on top of microservices architecture. The platform provides it customers a SaaS based toolkit where the features can be chosen and deployed as a product. The vetting processes include, Identity Check, Disclosure and Barring Services check, DVLA check among others, giving workers a unique digital profile to manage vetting information throughout their careers.

Responsibilities: Architecture design and end-to-end development of micro-frontends and Microservices

Technologies used: Azure PaaS Cloud Platform, Azure Storage & Service Bus, CosmosDB, ASP.net Core, Azure Functions, ReactJS, Material UI, Azure Devops for CI/CD

- o **PULSE Platform – (Mashreq Bank, Dubai)**

A micro-frontend-based portal built on top of microservices architecture that provides multi-utility interactions giving bank's RM to complete tasks under one umbrella with features like Client operations, Persona management, eKYC, Digital Onboarding, Deals pipeline & Analytics, RM Workbench etc.
- Contributed to overall Architecture of the platform including CI/CD setup
- Designed & implemented Micro-frontend strategy for platform with API gateway communication with micro-services
- SSO implementation across all micro-frontend repositories
- Created platform specific generic components that are shared across micro-frontends.
- Integration with third party components and packages for features like – MS Teams, MS Outlook, Speech-to-text capability, Facial Image Detection and Extraction, Google Analytics etc

Technologies used: ReactJS, Material UI, Azure Storage, IBM CRM, API Connect, Azure DB

- o **PDFx Solution – (Harness Data Intelligence, U.K.)**

A web-based solution that turns PDFs into accurate, usable data with a simple drag and drop. Harness provides tech-based solutions for real estate domain that converts complex property brochures, reports etc and extracts complex, sector-specific data from PDFs in tables, schedules, metrics, asset summaries, contact details, company names, images and more:
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- PDFx-OCR: Developed OCR capability using open source PDF APIs.
- PDFx-parser: Domain based categorization of PDFs and underlying data points
- PDFx Solution: Worked on underlying data extraction algorithms under the solution and created frontend application for reviewing and verifying the extracted output from PDFs.

Responsibilities: PDFx algorithm engineer, Frontend developer & technical architecture

Technologies used:.netCore, VueJS, Azure Cloud, PDF APIs, CosmosDB, Azure blob & Azure Storage Queues.

- o **EY Data Quality & Translate – (Ernst & Young, UK & Ireland)**

The platform provides a number of functions to clean and enhance the quality of the data to facilitate quicker and better data analysis. The services include:
- Business Name/Address Matching: Uses a process known as "fuzzy matching"
- Geocoding: Transforming a physical address or location and returning the spatial co-ordinates
- Translate: Automated translation of PDF, Word, Excel documents in over 60 languages

Responsibilities: Architecture design and development ownership

Technologies used: C#, Angular, Azure SQL, Azure Service Bus, Azure Blob

- **EY Legal Entity Rationalization (LER) – (Ernst & Young, UK & Ireland)**

  Web based platform for creation of questionnaires for EY clients in order to perform pre-liquidation diligence. Fully featured Questionnaire management platform for authors and users.
  - Questionnaire & Question Bank Management
  - Project and Entities Configuration
  - External User Access

  Responsibilities: Architecture design and development ownership

  Technologies used: Angular, C#, Web API, Azure SQL PaaS DB, Log4Net, Azure Blob

- **Data Governance Platform – (Grove Capital Management)**

  One platform for all Data Solutions that bring host of services to administer, regulate, monitor and modularize all data for entire business. Both business and data teams have the flexibility to automate numerous business-as-usual (BAU) operations with real time monitoring and data handling.

  Modules:
  - Scheduling System: Automated (time based) execution of BAU tasks & processes
  - Onboarding Application: Exchange & enrichment of "Deals" data from different file formats

  Responsibilities: Architecture design and development ownership

  Technologies used: C#, .NET MVC, Azure SQL, Azure Functions, .netCore 2.0, Azure Service Bus

- **Global Learning Platform – (GlobalLogic - Pearson)**

  A "**Microservices architecture**" based content management system for online learning and education delivery for one of the giants in education domain spanning millions of users.

  Responsibilities:
  - Involved in overall architecture design, technology stack refinement, Proof of Concepts.
  - Implementation of the frontend application.

  Technologies used: Angular, ReactJS, Material UI, NodeJS, NginX

- **Javelin - Merrill DataSite (GlobalLogic - Merrill Corporation)**

  A "Microservices architecture", secure Document Repository System in order to facilitate M&A for Merrill Corporation and its clients. With Elastic's full text search support, this system is capable of finding the right document and its content with ease.

  Responsibilities: Design & development ownership

  Technologies used: AngularJS 1.x, Bootstrap, Gulp, JasmineJS, Karma, NodeJS, Pivotal CloudFoundry

- **Workflow Pattern – Healthy Circles (GlobalLogic - Qualcomm Life)**

  This is a proof of concept that implemented "Workflow" design pattern as an example of "Separation of Concerns". The master-slave or "worker" pattern is a Cloud-native architectural pattern with no single point of failure, making it highly scalable as well as highly available.

  Responsibilities:
  - Design and development ownership:
    - REST based APIs
    - Event driven architecture using RabbitMQ including Fault Management
    - XML based Workflow engine for orchestration layer

  Technologies used: C#, Web API, Redis, RabbitMQ (pub-sub), SQL, XML, TFS.

- **RBI FlightGlobal - GlobalLogic – Reed Business Intelligence**

  This portal is aimed to provide a complete understanding of the aviation industry, global airline fleet and the market dynamics and drivers. Via online tools, expert reports and data feeds, user can get to know everything about the global fleet and what's driving industry changes.

  Responsibilities:
  - Technical ownership of design and implementation of EpiServer CMS

  Technologies used: C#, ASP.NET MVC, Web API, EPIServer CMS, Teamcity

- **Redbox Instant by Verizon - GlobalLogic**

  Redbox Instant is a joint venture between Verizon and Redbox. It is a smart client subscription-based application, where users can stream movies on Internet-connected devices.

  Responsibilities:
  - Design Solution Architecture and roadmap for the team.
  - Technical feasibility analysis including Sprint planning and review.
  - OAuth integration with Open API services.

  Technologies used: ASP.NET 4.0, C#, Samsung TV SDK, LG SDK, JavaScript, PlayReady DRM.

- **Solavei – GlobalLogic**

  A social commerce-based web application, driven largely on an affiliate networking program which rewards customers for signing up acquaintances.
  - Marketing Site: web portal designed with Umbraco (Web CMS from Microsoft).

  Responsibilities:
  - Architecture for CMS implementation as a service.
  - Workflow implementation for the enrollment including third-party services integration.

  Technologies used: ASP.NET 3.5, C#, WCF, JQuery, Umbraco.net

- **BXACCESS - GlobalLogic - Blackstone**

  Web portal to build a complete B2B solution where business partners can find their investment details and do various comparative analysis.
  - K1 Upload Process: Automated process of uploading user's tax documents (K-1's provided by Deloitte) to web portal using FTP for online viewing/delivery.

  Responsibilities:
  - Designed & developed end-to-end solution.

  Technologies used: ASP.NET 3.5, C#, SQL 2008, Active Batch Solution (Advanced Systems Concepts)

- **TCBS (The Complete Banking Solution) - R Systems International Ltd.**

  A retail banking/credit union software including teller and platform processing, deposit and loan product support. It is a multi-currency enabled and thus a complete banking solution.
  - Global Name Enhancement – configurable country or region-specific name components.
  - Bill Payment Enhancement – To process utility bill payments using bar-code reading.
  - Member Direct – online banking service offerings.

  Responsibilities: .NET & Database programmer.

  Technologies used: C#, VS.Net 2008, Oracle 10g, Brio Report Builder, Nexus Printing, SQL Server 2005.