



SHIBASHEESH DEY



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SUMMARY

Customer-focused Technical Architect with **18+** years of IT experience working for multiple domain challenging projects across geographies. Demonstrated mastery in facilitating evaluation of requirements for business application integration, able to consistently deliver enhancements and solutions that drive customer satisfaction and loyalty. Proven mentor and trainer, skilled at communicating with all organisational levels and cross-functional teams to develop a shared vision and foster a culture of excellence.

QUALIFICATIONS

- **Bachelor of Engineering** in **Industrial Electronics** from Nagpur University, India.
- Certification awarded: **Togaf 9.0, Azure Solution Architect & GNIIT.**

PROFESSIONAL WORK SUMMARY

- **UK, 09+**-month experience with BNP Paribas PF, Birmingham (*Domain-Finance*) as **Technical Architect** from Apr'24 till date.
- **UK, 2.3**-year experience with Boots UK Ltd, Nottingham (*Domain-Retail*) as **Solution Architect** from Jan'22 to Mar'24.
- **UK, 02**-month experience with Achilles Information Ltd, Abingdon (*Domain-Utility*) as **Solution Architect** from Sep'21 to Nov'21.
- **UK, 1.5**-year experience with BUPA Global, Brighton (*Domain-Insurance*) as **Technical Architect** from March'20 to Sep'21.
- **UK, 1.5**-year experience with EON Energy/N-Power, Nottingham (*Domain-Utility*) as **Lead Architect** from Jul'18 to Jan'20.
- **Canada, 1**-year experience with Manulife, Ontario (*Domain-Finance*) as **Technology Lead** from May'17 to May'18.
- **Belgium, 2**-year experience with BNP Paribas, Brussels (*Domain-Banking*) as **Technology Lead** from Feb'14 to Apr'16.
- **China, 1**-year experience with MELCO Crown, Macau (*Domain-Entertainment*) as **Technology Lead** from Jan'13 to Jan'14.
- **India, 8**-years (*Domain-Others*) as **Technology Lead** from Jul'18 to Jan'20.

VISA DETAILS

- Work status in **UK: Required sponsorship for 1.7 years to apply for ILR.**
- Living in UK for **6.5+ years**, so eligible for security clearance.
- Citizen: **India** (*No work restriction to work in India*)
- Availability to start a new role: **Immediate**

TECHNICAL SKILLS

- **Front end details:**
 - UI technologies: C#.Net 2022
 - Service technologies: Microservices (stateful/less), Web/Windows service, REST & WCF
 - Scripting language: React, JavaScript, AJAX, Angular
- **Messaging:**
 - Message Queue: Rabbit MQ, Kafka, Azure service Bus
- **Cloud technologies:**
 - Docker, Container, Service fabrics, Kubernetes, CDN, Data Factory, Durable, azure functions, vault, Redis
 - Gateways (APIM, Apigee), Resiliency, Load Balancing, Scalability, Security, Express Route
 - Cloud well Architected framework, Data Factory, Data Bricks, Helm chart, Terraforms, Azure CLI
- **Back end details:**
 - Database technologies: SQL Server, Postgres, Oracle 10g.
 - Jobs: Oracle/SQL Job, packages, ETL and reports scheduled using CA Workload/Informatica/TWS.
- **Tools:**
 - Architect designing tools: Confluence, Lucid, Sparx EA & Visio, MS PPT, Draw.io, swimline.io
 - Tracking tool: SNOW, Trello, Cyberark, Kanban, JIRA
 - Support debugging: App Insite, Loggly, App Insite, Postman, SOAP UI, Swagger (webapi)
 - Deployment: Dimensions, CI, CD, GIT, Jenkins
 - Testing tool: Sonar Lint, SonarQube, Manual testcases & N-Unit
 - Products: Launch Darkly for feature management
- **Others:**
 - SDLC documentation: IA, UTP, FS, FP, BUN and CAR Report
 - Version control: TFS, VSS.
 - Pattern: Clean architecture, vertical slicing, MVVM, MVC, Multi-Layer & Reactive framework.
 - Domain: Retail, Utility, Insurance, Finance, Banking, CRM, Entertainment & E-Governance.
 - Methodology: Agile & Waterfall
 - Vintage technologies: VB 6.0, Cold fusion, Progress & Classic ASP
- **Security:**
 - API: OAuth 2.0 OIDC with Gigya & Ping IDP using JWT & Access tokens
 - Azure: Azure AD, Security center, RBAC

ROLES PLAYED

- Product development architect
- Lead architecture
- Scrum Lead
- Mentoring
- Application support Lead
- Relationship management
- Technology architecture
- Documentation & reporting
- Troubleshooting
- Technology Lead
- Solution architecture
- Software development
- Change lifecycles
- Process improvements



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CAREER DETAILS / RESPONSIBILITIES

Project Details:

I. Technical Architect



Aubay, client: BNP Paribas PF Ltd



Apr 2024 to Present



Solihull, Birmingham, UK

Platform & Skills:

- Web API, Rest API, Rabbit MQ, Azure cloud, Vault, Microservices, caching, Visio, Draw.io, Async message communication, clean and vertical slice architecture, Cloud well Architected framework, Data Factory, Data Bricks, Helm chart, Terraforms, Azure CLI, Gateways, APIM etc.

Scope:

- Responsible for designing and delivering an end to end secure scalable maintainable fully distributed system into cloud.
- Responsible for leading the delivery team, architecture designing, planning, best industry standard researching.
- Designing solutions, presenting design in various architectural forums for approvals, walkthrough with scrum for implementation and end to end support for implementing the solution.
- DB planning and design.
- Implementing POC's.
- Engaged on Design discussions with internal, vendor and client architects.
- Act as a SME for domain related discussions and impact analysis design reviews.
- Planning delivery based on customer need and priority with onshore & offshore team.
- Planning stories, task and estimation of delivery in Jira for end-to-end delivery from design to build, test & deployment.
- Data transfer from external/internal systems, data cleansing, validation, filtration, transformation, scheduled jobs, Data refresh, data modelling etc.
- Creating, maintaining and managing cloud infra.

Role played:

- Responsible for research, POC & adapt best industry design patterns for project & delivery, which help fast, secure delivery with scalable solution.
- Research on best & latest libraries fits project usecase like implemented successfully name a few are MassTransit, MediatR, Fluent Validation, Daper, EF core, Quartz, Json all etc.
- Produce HLD and LLD for project delivery.
- Implemented design patterns like strategy, factory, façade, observer based on project demand.
- Responsible for designing a secure, scalable, maintainable and efficient enterprise framework based on high compliance & regulation industry requirements.
- Maintaining architecture & domain driven design & principles, standards and patterns, guidelines, and best practices
- Vendor assessment & management, RFP & POC: Evaluate Build/ Buy strategy
- Reviewing Architecture design, approach, white board session and mentor vendor TA (*ie. capgemini*).
- Digital solution discussion: Engaging Lead BA, TA, LE, EA, SA, Scrum, Infosec for design discussion and approval.
- Walkthrough designs, HLD & LLD with LE and scrum team (onshore/offshore) and support end to end delivery of the solution.
- Involved into Solution Design, DevOps, testing vision, Tech debt, security & performance optimisation reviews discussions.
- Offer a secure framework by securing the internal microservices using OAuth 2.0 (OIDC) mechanism for access token validation from IDP (*ie. Ping*).
- Stake holders management and involved with Business & leadership for company vision related discussions.
- Also understanding pain areas, area of improvement and act as a bridge between Business & technical team.
- Involved into expert technical consultancy with technical teams.
- Involved into discussion on escalation & prioritization areas with Business & Technical teams.
- Data transfer from external/internal systems, data cleansing, validation, filtration, transformation, scheduled jobs, Data refresh, data modelling etc.
- Creating, maintaining and managing cloud infra.

II. Solution Architect



Boots UK Ltd



Jan 2022 to Mar 2024



Nottingham, UK

Platform & Skills:

- Lucid, Confluence, Swimlanes.io, Jira, Azure Cloud, Microservices, Gateways, OIDC, OAuth, Node js, React, Devops, Event Driven Architecture (Kafka, Azure bus), Cloud well Architected framework, Data Factory, Data Bricks, Helm chart, Terraforms, Azure CLI, Gateways, APIM etc.

Scope:

- Responsible for designing and delivering an end to end secure scalable maintainable fully distributed system into cloud.
- Responsible for leading the delivery team, architecture designing, planning, best industry standard researching.
- Responsible for maintaining customer engagement platform, microservices, technologies used and solutioning.
- Act as a SME for domain related discussions and design reviews.
- Data transfer from external/internal systems, data cleansing, validation, filtration, transformation, scheduled jobs, Data refresh, data modelling etc.



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- Creating, maintaining and managing cloud infra.

Role played:

- Responsible for designing a secure, scalable, maintainable and efficient enterprise framework based on high compliance & regulation industry requirements.
- Maintaining architecture & domain driven design & principles, standards and patterns, guidelines, and best practices
- Component and interface catalogue with lucid chart and confluence design *(following C4 model)*
- Vendor assessment & management, RFP & POC: Evaluate Build/ Buy strategy
- Reviewing Solution design, approach, white board session and mentor vendor SA *(ie.tcs/ibm/cognizant/softvision)* and associate/junior SA.
- Digital solution discussion: Engaging Lead BA, EA, SA, Infosec, Apps management, Infosec, LE for design discussion and approval.
- Involved into Solution Design, DevOps, testing vision, Tech debt, security & performance optimisation reviews discussions.
- Platform solutioning: service versioning, feature management *(using product Launch Darkly)*, service virtualisation etc
- Offer solution on business requirements, SOA, invoking internal *(boots)/external (hcl commerce, Martech etc)* apis, payment gateways *(ie Klarna, ACI)*.
- Offer solution on payment card validation using Eckoh and search using
- Offer a secure framework by securing the internal microservices using OAuth 2.0 (OIDC) mechanism for jwt/access token validation from multiple IDP's *(ie. Ping & Gigya)*.
- Engaging with lead EA for defining capabilities principles & models and with Chief/Lead SA for standards, patterns & best practices.
- Stake holders management and involved with Business & leadership for company vision related discussions.
- Involved into User story and PI planning, designing solutions and proposals.
- Involved into discussions with Lead engineers & scrum for explaining proposed design and planning estimations.
- End to end from finalizing a requirement to its development, Testing, deployment & delivery.
- Also understanding pain areas, area of improvement and act as a bridge between Business & technical team.
- Involved into expert technical consultancy with technical teams.
- Involved into discussion on escalation & prioritization areas with Business & Technical teams.

III. Solution Architect



Achilles Information Ltd



Sep 2021 to Nov 2021



Abingdon, UK

Platform & Skills:

- Dot.Net, Angular, Jira, Microservices, Oracle 10g, TFS, Web API, Oracle reports, packages, Jobs, visio, Lucid, Confluence, Swimlanes.io, Sparx EA, Cloud well Architected framework, Data Factory.

Scope:

- Maintaining Achilles, MyAchilles web applications, onboarding Suppliers & Customers, maintaining Credit score, handling financial transactions using Zuora. Also responsible for API calls between MyAchilles APIs, Zuora, Dynamic CRM.

Role played:

- Responsible for designing a secure, scalable, maintainable and efficient enterprise framework based on high compliance & regulation industry requirements.
- Digital solution discussion: Engaging Lead BA, Principal SA/SA, security Arch, AMS, Scrum, Testing for design discussion, feedback and approval.
- Involved into white board sketch and power point presentation for non-technical stakeholders.
- Involved into discussion with Business and stake holders for pain areas in all the systems business uses.
- Involved into User story and CR planning, designing solutions and proposals.
- Involved into discussions with multiple development teams in proposed design changes and planning estimations with Managers.
- Responsible for end-to-end designing SOA, development phase from finalizing a requirement to Design/Dev, Testing, Deploy/Delivery.
- Understanding pain areas of Business using existing way of business, supporting production issues and act as a bridge between Business & technical team.
- Involved into expert technical consultancy with technical teams.
- Involved into discussion on escalation & prioritization areas with Business & Technical teams.
- Data transformation and Data cleansing.

IV. Technical Architect



Infosys, client: BUPA Global



March 2020 to Aug 2021



Brighton, UK

Platform & Skills:

- Lucid, Confluence, C#.Net, ASP.net (Core), Micro services, Oracle 10g, TFS, Web API, Oracle reports, SNOW, packages, Jobs, Loggly, App Insite, Kanban, Sparx EA and Azure services, Terraforms, power shell script.

Scope:

- BUPA use internal SWAN tool for maintaining customer information's, different world apps for purchasing policies from outside network & paying their premiums. Also maintaining customer premiums and advisor commission using Account receivable & payable and send it to World pay for actual collection which was historically used by another payment gateway called Payware.
- SWN supports different type of card payments like Auto collections, One Off payments and refunds. Also supports cheque and bank transfers.
- Deploying components and services into Azure cloud.

Role played:

- Managing tech/non-tech stakeholders including Leadership, EA, SA, Engineering Manager, LE etc.



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- White board session and presentation demo to stakeholders.
- Handling offshore team, knowledge transfer & design/code reviews
- Involved in planning architecture design, for new requirement & legacy optimization.
- Understanding pain areas, propose area of improvement, security, evaluate performance.
- Responsible for preparing HLD, LLD, UML design using EA Sparx & Visio.
- Responsible for developing Technical, BUN, SOW & Statement of Architecture Work documents.
- Collaborate with product and engineering team members to define and develop new product concepts.
- Drove continual improvement to system architecture by refactoring old legacy code
- Managed the road map for product design and development.
- Creating solution design for desired projects and program, including detailed integration design, estimation and participation of vendor selection.
- Responsible for estimation using Story points and Gap analysis between architectures.
- Architected and implemented proof-of-concept solutions for migration of payment gateway from Payware => Worldpay.
- Involved in designing & code optimization for applications and its Databases.
- Responsible for interacting with Architects, Product owners, Business, Scrum, support teams and multiple vendors (*like Genesys, T-systems, WorldPay*). End to end from finalizing a requirement to its development, Testing, deployment & delivery.
- Also understanding pain areas of Business using existing way of business, supporting production issues and act as a bridge between Business & technical team.
- Involved into expert technical consultancy with technical teams.
- Involved into discussion on escalation & prioritization areas with Business & Technical teams.

v. Lead Architect



Infosys, client: E.ON Energy/ N-Power



July 2018 to Jan 2020



Nottingham, UK

Platform & Skills:

- C#.Net, MVC, Microservices using REST, Web API, Rabbit MQ, Loggly, Oracle 10g, TFS, SQL server, ETL, SNOW & Lucid, Confluence, visio, Sparx EA, Dimensions, Trello, Azure services, React, Event Driven Architecture (Rabbit MQ)

Scope:

- EON uses internal ICE tool for maintain all customer records where any new/EON customer can contact via any approved media via voice, email, chat, social media. This overall process includes connecting proper customer demand routed (*via WFM*) to Agents and save all interaction & serve them.
- This overall process includes Genesys, T-systems, NICE Engage and EON which EON consumes Genesys PSDK based on events raised in WDE (*Workspace desktop edition*) where all requests using WFM (*Work force management*).

Role played:

- AuthN & AuthZ using OIDC Auth 2.0 (*IDP Giga, Ping*). expecting requests for resources from multiple user categories with different authentication states
- Chairing architectural steering meetings & handling stakeholders.
- Discussion & Planning on business short- & long-term strategic vision
- Managing architectural technical dept
- Customer seamless journey assessment
- Performance assessment
- Managed enterprise-level IT Security infrastructure, application development, and implementation projects.
- Involved in planning architecture design, for new requirement & legacy optimization.
- Creating and maintaining a centralized architecture repository including enterprise and application architecture using Sparx EA.
- Managing E.ON architecture, integration principles and common architecture repository.
- Creating solution design for desired projects and program, including detailed integration design, estimation and participation of vendor selection.
- Involved into Estimation, Gap analysis & Migration plan.
- Architected and implemented proof-of-concept solutions for E.ON/N-power merger & migration activity for architecture, data, DB structure planning, migration & gap/impact analysis.
- Architected and implemented proof-of-concept solutions for supporting Customer extended channel to E.ON using multi-media platform like website and social media.
- Involved in designing & code optimization for applications and its Databases.
- Increased customer renewal rate by 15%; current customer satisfaction rating stands at 90%
- Responsible for interacting with Architects, Product owner, Business, scrum and 3rd party vendors.
- from finalizing a requirement to its development, Testing and deployment.
- Providing a framework for collaboration of multiple in-house and vendor development teams and projects.
- Working with vendor on specifying and accepting a delivery.

vi. Technology Lead



Infosys, client: Manulife Finance



July 2016 to May 2018



Ontario, Canada,

Platform & Skills:

- C#.Net, ASP.Net, SQL Server 2015, TFS, Web API, ETL Packages, CA workload, Sonar qube, JERA, Angular JS, Lucid, Confluence, visio.

Scope:



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- Manulife Finance is a financial institution which takes care of various Customers investment planes like Retirement saving, Mutual fund, SIP, SWP etc.
- This product is basically used to track customer's personal, account, plan and transaction data.
- When a customer buys any product of Manulife with the help of Financial advisor which are controlled either by IROCH or MFDA regulatory bodies will be maintained by this tool.
- Here, Customer can be individual, Joint, Corporate and so on.
- Also, financial advisors commission data is getting calculated in this tool.
- Using ETL, multiple jobs are responsible for generating extracts and feeds (for downstream systems).

Role played:

- Involved in leading development team, code reviews & optimizations.
- Leading an in-house development team using Kanban methodology, providing coaching to new team members and setting development standards.
- Interacting with Business and responsible for replacing legacy process within existing system.
- Also understanding pain areas of client using existing way of business, production calls and provides short- and long-term solution.
- Analysing business requirements and provide functional specification.
- Leading the development team to deliver the solution successfully within an extremely aggressive schedule defined by the divestment terms and supporting the client training during handover.
- Developing talent and defining delivery standards within the delivery scrum.
- Support of new customers through pilot phase.

VII. Technology Lead



Infosys, client: BNP Paribas | |



February 2014 to April 2016 | |



Belgium, Brussels

Platform & Skills:

- Dot Net with C#, MS SQL, WCF, WPF, MVVM, SSIS.

Scope:

- This product is basically a trading application which is used by Portfolio managers and dealers for trading.
- With the help of think folio tool users can trade on Equity, Mutual funds, ETF, Forex trades and future options.
- This tool can handle quality and value based trades as well.
- There are different .Net based applications like trade uploader, model loader etc., helps the Portfolio managers to push the orders into think folio tool.
- Work flow:
- Portfolio managers create orders into Trade uploader tool which post validation and rule check pushed into MQ in the form of XML messages.
- Then Think folio tool will pull those messages and dealing services will trade on those orders which involve different stages as below:
- Acknowledge order, Update trade, execute trade, cancel trade, and cancel order.

Role played:

- Leading a development team on given project and developing desired functionalities.
- Developing new applications and enhancements and maintenance of old applications.
- Technical Document /Work Flow preparation.
- LLD, IA, UTP and CAR document preparation and review.
- SOW (statement of work) and BUN (business user need) preparation.
- Architecture planning and design document preparation.
- SQL Database planning and design includes ER, tables, SP and indexes.
- Class and sequence diagram development using Visual Studio 2015.
- Setup integration testing with all module packages.

VIII. Technology Lead



Infosys, client: BMW Finance | |



September 2012 to May 2013 | |



Pune, India

Platform & Skills:

- VS 2005, ORM concept, crystal report and SQL 2008

Scope:

- This product deals in handling and tracking finance related business activities of BMW products.
- BMW business is manufacturing cars like BMW, MINI, Alphera etc, sold them and earns profit.
- This Infosys Product helps BMW to help Customers, by financing them to purchase their own products.
- This product helps BMW start from checking credit history of Customers, Create Quotations, Creating Contracts, creating EMI's, payment restructuring, Sending Email, SMS and FAX alerts, Remarketing of cars, different reports etc.
- Maintaining different entities of Customer like Primary Borrower, Co Borrower, Guarantor etc.
- This application is broadly divided into two module called DFE (dealer front end) used by Dealers and NLS (New lending suite) used by BMW finance department.



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- DFE: When customers visit BMW dealers then dealers create quotations depending upon customer requirements then create application from DFE and forward it to BMW finance (NLS) for finance related matters.
- NLS: All bank related matters handled here like EMI, Payment history check, early termination, Early termination, Delinquency, Arrears, Interest, Marketing etc etc.

Role played:

- Leading a development team on given project and developing desired functionalities.
- Interacting with Business, Architects and responsible for replacing legacy process within existing system.
- Responsible for end-to-end delivery and training for Users.
- Translated technical specifications into project scopes of work and product requirements while spearheading design and development of databases and enterprise solutions.
- Implemented application developments, resolved performance issues, and provided end user training on hardware and software.

LAST UPDATED DATE/PLACE: OCT 2024/ BIRMINGHAM, UK
