**Pritesh H Jain**

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PROFILE

**Sr. Technical Architect** with over **18** years of experience spanning various Microsoft technologies like **Azure Cloud** and **.Net**. I have hands on experience on **C#**, **WinForms**/**ASP.net**, **Oracle/SQL Server** and **Azure PaaS Services**. Have worked on projects in Investment Banking Domain (mainly Prime Services like synthetic swaps), Insurance and Defense domain.

Employed with **HCL Technologies** for last 8 years currently I am part of **Microsoft CoE** (Digital and Analytics Team) working on solutioning projects on MS Azure Cloud platform and .Net Technologies.

I also have extensive experience on Delivery projects such as working with **Nomura’s IT Equities Division** where I worked for last 6.5 years as Trading system SME for C#-based Swaps Trading Platform, catering to trade booking, managing complex swap schedules, generating cashflows like Dividends/Borrow Fees/Spread and FX-Trade booking.

CORE EXPERTISE

* MS Azure iPaaS solutions
* C#/VB.net- Web-based application using ASP.net, Thick Client-Server application using WinForms/WPF, .Net Core
* SOA based applications using WCF, Webservices.
* MVC pattern, OOPS concepts, Go4 Design patterns
* Oracle, SQL Server, ORM tools
* Multithreading/Task Parallel library, RESTful api, AJAX, Remoting, LINQ & third-party controls like Infragistics.
* Debugging - Thread dump analysis, OEM tool utilities like Explain plan
* DevOps Tools:

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| **Planning** – Jira, ServiceNow | **Code**– Git, SVN | **Code review** – Crucible/FishEye, FxCop | **Building** – Maven, MS Build |
| **Testing** – Zephyr, NUnit | **Release** – Bamboo | **Deployment** – Ant scripts, Teamcity, Azure DevOps | **Monitoring** – Splunk, Autosys  |

EXPERIENCE

* June 2013- Present: **HCL Technologies** , Mumbai
* May 2005 – May 2013: **Mastek Ltd**, Mumbai
* Sept 2004 – Apr 2005: Netscribes Pvt. ltd, Mumbai

KEY PROJECTS

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| **DNA – Enterprise Productivity – Microsoft practice****May 2020 – till date** | **Azure / Azure DevOps** Solutioning with DnA-EP-MS CoE (May’20 onwards)* Creating proposals, responding to RFI/RFP/Tender and assisting customers and prospects with the creation of business case documents.
* Designing and proposing fit for purpose solutions that align with the client key drivers.
* Evangelizing Microsoft Azure in conjunction with Microsoft to key public and private sector customers.
* Provide Azure technical expertise including design, architecture, assessments, presentations, POCs in support of the overall sales lifecycle process.
* Worked on deriving Efforts Estimation, Resource Ramp-up Plan, Agile Execution Planning, Targeted Operating Model, Pricing
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| **Contribution*** Responsible for architecture, designing and implementation of API based solution for a reputed Transportation company (Ryder) in US. Proposed Azure API Management, Logic Apps (for Workflows), Azure Functions and Azure Service Bus for designing its RyderHub infrastructure. This is now Ryder’s central API-based platform that integrates with its all the external and internal systems.
	+ Restful APIs were developed using Asp.Net Core Web API.
	+ Microservices were containerized and deployed on Azure Kubernetes.
	+ Azure AD for Authentication and Authorization.
	+ Logging and Monitoring through Application Insights/Azure Monitor
	+ Implemented standard design patterns like Circuit breaker, Claim check, Gateway Aggregation, Anti-corruption Layer and Publisher/Subscriber.
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| **Project -** **Jun 2013 – 31-Mar-2020 (for Investment Bank** **- Nomura)** | For last 6.5 years, worked as Trading system SME for C#-based **Synthetic Swaps Trading platform** built using .NET,  Database: Oracle 10g. The application is a multi-threaded Client-Server Winform/WPF/WCF application that uses MVC pattern. |
| **Contribution*** As a .NET lead/Full-Stack developer, I am responsible for design & development of following critical modules:
	+ Generating Swap Schedule(Equity & Interest) life-cycle – typically 5 years Equity swap.
	+ Support for multi-currency/market for Swap & Hedge Trade booking that is used by Front office and Middle office operations team.
	+ Managing Book access via WCF-based entitlement engine.
	+ Reading csv files to capture Asset based Financing Spreads, Client-specific Borrow Rates.
	+ STP modules to read Funds/Counterparties from other file based interfaces.
	+ Importing bulk Trades from XML sources, excel Imports. Used Standard Dispose Pattern (for Garbage collection) for un-managed code.
	+ Managing Static data (which are Cached components) like Instruments, Stop-List instruments, Currency-pairs, Exchanges, etc.
	+ Cashflow generation modules involving Dividends, Fees, Spreads, Interest using RESTful services
	+ FX Trade automation, Back to Back Trade booking for Swaps. Used Multi-threading in both GUI and services components.
	+ Worked on modules such as Corporate Actions, Brexit, Regulatory requirements like Mifid, GTR,etc.
	+ Generating Feeds and creating jil-script based Autosys jobs.
* Was actively involved in developing following components for Cross-Cutting concerns:
	+ *Product features* – Developed Thick client using MVC pattern using Winform/WPF. And STP projects using Producer-Consumer pattern using MSMQ and scalable Windows services (the Load Balancer service & Worker Services) to process the messages.
	+ *Monitoring* – Using Splunk and email alerts when threshold value of trade economics are crossed.
	+ *Real-time constraints/ Synchronization* - Implemented Event based model that uses Publisher- Subscriber pattern (using Tibco Queues/Topics, MSMQ) to implement Real-time refreshes on GUI dashboards that uses data grids (Third-party control Infragistics).
	+ *Transaction processing* - Improved performance of application by introducing a new thread pool for handling trade events.
	+ *Business rules* – Implemented using Interfaces. Designed new business flow for back to back trade automations which reduced manual effort of the Middle Office team.
	+ *Caching* – developed custom in-memory server-side cache using Dictionary class. All static data on client-side too are cached.
	+ *Security* – Authentication is LDAP-based and Authorization is managed in Oracle database. Access to UI screens is Role-based where every control is configurable via a screen.
	+ *Logging* – Text-based custom logging component. Improved Archiving/Logging for GTR Regulatory requirements.
* Fixed Performance issues on Trading dashboard (by optimizing Oracle procs), implemented pessimistic concurrency for trade booking interface, improved deployments by implementing environment abstractions.
* Managing Releases using Jira/ServiceNow, Performing ANT deployments, Continuous Integration using Bamboo/Maven/Crucible/FishEye, tools like Splunk.
* Migration to web-based interface for this application using .Net Core for cross OS platform development (using ASP.net Core MVC/Jquery/Node.js). This is a requirement to move it to internal cloud environment.
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| **Project -** **Sep 2010 – Jul 2011 (For Finance company - BestInvest, UK through Mastek)** | Development of **Web portal for BestInvest**, UK. Project involved modules to provide investment advice, financial planning and wealth management services such as buy and sell online -: * units and shares in collective investment schemes (funds)
* shares in UK listed companies
* exchange traded funds (ETFs)
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| **Contribution*** As an onsite coordinator in UK, tracked team deliverables, handled escalations, provided technical assistance and liaised with the onsite counterparts.
* Analyzed, designed and developed business flows using C#, Asp.net, SQL Server, SVN, Team city.
* Worked on STP project involving file based financial trade data from 3rd party sources like SEI.
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| **Project –****Nov 2008 – Feb 2010 (For Thales through Mastek)** | AMO (Air Movement Operations) project is a SOA based C# Winform system that supports all the processes necessary to book passengers and freight onto Air Transport Force (ATF) or Air Charter flights, and later to progress them through both departure and arrival airfields |
| **Contribution*** Contributed to the design process by implementing POCs’. Used GOF design patterns such as Adapter pattern in Flyware integration module that involved consuming WCF services in Winform thick client application.
* Collected requirements from clients and proposing/designing solutions adhering to SOA. Created services using WCF and an ORM with Oracle as backend.
* Led the team and extensively worked on design and integration of 3rd party product i.e. Flyware, which involved issue resolution and constant interaction between consortium partners (Thales, Mastek, Flyware).
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OTHER PROJECTS:

**From May 2005 to May 2013 in Mastek as Software Specialist**

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| My Shares Online - CAPITA Registrars, UK (Domain: Finance) | This is a web portal has been built to provide services to manage each shareholder's shareholdings with a company. |
| Capita Learning Portal- CAPITA, UK (Domain: Education)  | Manchester Scanning Solutions is a ASP.net MVC system that scans the Learners’ application forms and extracts data from it. |
| KIBO - Pacific Life Insurance, USA (Insurance Domain) | Developed ASP.net project for Broker/Dealer business for Insurance Company. |
| Visa Application - Cox & Kings (Domain: Tourism) | The application system is an online portal that allows users to book Visa and also to track the visa applications. |
| Clinical Desktop Application – Aetna, UK (Domain: Health Care) | This is a web based portal that allows Medical Nurses in UK to capture and maintain medical information of their patients. |

**From Sep 2004 to Apr 2005 in Netscribes as Associate**

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| Worked on projects such as :* Content Management System (www.TajBuzz.com)
* Intranet Application ([www.NetQMS.com](http://www.NetQMS.com))
* Sales Intelligence Dashboard
 | All the projects are developed using ASP.net with C# and VB.net having SQL Server 2005 as database. |

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| Agile Skills* Participated in the estimation of user stories and the sprint schedules.
* Participation in Agile based execution plan and resource plan and Targeted Operation Model (TOM)
 | Personal Skills* Ability to understand business requirements and articulate solutions.
* User experience focused solution approach.
* Excellent Verbal and written communication skills and soft skills.
* Self-Starter approach and Willingness to learn.
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| EDUCATION – **Bachelor of Computer Applications** * BCA from Indira Gandhi National Open University in 2003
* HSC (Science) from Wilson College, Mumbai in 1999
* SSC from MGM Academy, Mumbai Board in 1997
 | CERTIFICATION * [AZ-900 Azure Certification](https://www.youracclaim.com/badges/dd881a99-a514-48d0-99a6-491035d06e3e/public_url)
* [IBM Certified Application Developer - Cloud Platform](https://www.youracclaim.com/badges/fe04a4fa-7f8a-4eea-a45f-ef26420a74a9)
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| [recognition](https://www-origin.coursera.org/account/accomplishments/professional-cert/EYFR3YQWVMJB)* [Was awarded with “League of Outstanding HCLites” title last year.](https://www-origin.coursera.org/account/accomplishments/professional-cert/EYFR3YQWVMJB)
* [Mastek honored me with “Creative Genius” award for my performance.](https://www-origin.coursera.org/account/accomplishments/professional-cert/EYFR3YQWVMJB)
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