**SATYA PRIYA RAJPUT Email:** [**satyapriyarajput@gmail.com**](mailto:satyapriyarajput@gmail.com)

**Mobile: +91- 7680954215, 9346728591**

**Career Objective**

I am looking for a Technical Manager/ Architect role in software industry with opportunities to enrich my knowledge, experience and skills while contributing my best to the organization.

### Summary

* **Satya Priya Rajput, M. Tech from IIIT-H (International Institute of Information Technology, Hyderabad) is Research & Development and Delivery/Result oriented technocrat.**
* **Having 13+ years of professional IT experience in all phases of SDLC, focusing on conceptualizing business needs and translating them into viable technical solutions.**
* **Having expertise in managing the team of talented s/w engineers, spearheading mobile competency, mobile delivery and setting up mobile team for iOS, Android and Windows platforms.**
* **Experienced in requirements gathering, estimations, setting up the required team and designing the architecture for end to end solution and managing multiple projects**
* **Expertise in Teamwork, code reviews, architectural consultancy and mentoring junior engineers.**
* **Aligning the vision and technology roadmap for mobile solutions that operate within the section approach and assumes responsibility for problems of software and IT developments.**
* **Design and development of high performance, robust, scalable applications from inception to delivery and maintaining cycles.**
* **Hands on Experience in developing iOS and Android Apps and Backend APIs development.**

### IT Experience

Value and Vision

* Farsighted and well-organized with impeccable track record of delivering superior performances under demanding work environments.
* Hold credential for efficiently coordinating among cross-functional teams for project execution right from finalizing ideation (PRD / RFP) to implementation to delivery.
* Improving agility and team work using agile-scrum best practices and delivering end to end solutions.
* Fine-tuned analytical and problem-solving skills; possess superior verbal and written communication skills.
* Fast learner of complex topics, and its successful implementer. Offering myself with following stacks:

Core Competencies: Technology

* Software Architecture: Final Decision Maker and reviews
* Tech-stack decision: Final Decision Maker and reviews
* iOS and Android Apps development and architect design.
* .Net backed APIs and portal development
* Mobile Apps integration with Enterprise Platforms.
* POC (Proof of Concept): Developing POC.

Core Competencies: Management

* Team Management: Managing the teams of talented software engineers.
* Cross-departmental co-ordination,
* POC (Point of Contact) for the stack-holder/s,
* Agility: Jira, Confluence, GitHub etc.
* Code Quality: Code Review, etc.
* iOS Apps Development: XCode 3.0 – 11.3, Objective C, Swift, Instruments
* Good understanding of the concepts: memory management, application life cycle, multi-threading, web service consumption.
* Good experience in UI development: Storyboards, auto layouts, custom UI views, gestures.
* Strong Programming skills in Objective C & Swift
* Hands-on experience on SQLite 3, Core Data for providing persistence and offline functionality.
* Having good experience with Map Kit and Location Services.
* Having experience with Apples Push Notification Services.
* Developed iOS Apps using SMP SAP Mobile Platform.
* Experience in working with third-party libraries and tools (example: Facebook API, Twitter API, Google Maps API)
* Good Knowledge of design patters MVVM and MVC, Singleton design architecture.
* Strong knowledge in Delegates, Block Programming, Callbacks and GCDS
* Knowledge of integrating analytics: Flurry Analytics, Firebase Analytics and Omniture Analytics.
* Proficient of developer certificate and provisioning profiles creation and Appstore submission process.

Android Apps Development

* Experience in developing Android Apps using Kotlin / Java and Android SDK.
* Experience with modern Android libraries Dagger2, Android Jetpack Components
* Good understanding of RESTful APIs and how to connect Android applications to back-end APIs using Retrofit 2 and Volley.
* Experience is using Android Jet Pack Navigation Components, Navigation Graphs.
* Experience is using database SQLite and Room
* Knowledge of integrating Firebase Analytics in Apps, monitoring and improving user experience.
* Proficient of developer certificate and provisioning profiles creation and Appstore submission process.
* Good Knowledge of Asynchronous Programming Techniques using Kotlin Coroutines.
* Good experience in designing complex User Interface (UI) Screens.
* Used design patterns like MVVM, MVC, Singleton, View Holder and having good debugging skill.

.NET Technologies

* Experience in developing Restful web APIs using .Net Entity framework.
* Experience with ASP.NET, Entity Framework, C#, Restful Services, Web Services, and SQL Server.
* Working knowledge of HTML 5, CSS3, Java Script, Sencha Touch and Cordova.

Database Technologies

RDBMS/SQL: MySQL, SQLITE3, ORACLE 10g, MSSQL2005, SQL Server 2008.

* Experience in architecting and developing database schemas and stored procedures

**NoSQL** (Not Only SQL): Cloud Fire Store, DynamoDB,

**Programming Logic & Language**

**Logic:** Data Structures, Algorithms, Memory Management, Multi-threading, Concurrency, lambdas

**Language:** Objective C, Swift, Kotlin, C#, Java, Python, JavaScript,

### Education

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| **Degree** | **College** | **Percentage** |
| M.Tech (Bioinformatics) | **IIIT, Hyderabad (2006)** | 7.3/10 CGPA |
| B.Tech (CSE) | JSS Academy Of Technical Education, Noida U.P. (2004) | 65.0% |
| Intermediate (XII) | G.I.C. Jhansi U.P. (1998) | 64.6% |
| High School (X) | M.B. High School Babina Jhansi U.P. (1996) | 69% |

### Certifications

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| **Certificate on Coursera** | **University** | **Grade** |
| Programming Mobile Applications for Android Handheld Systems: Part 1 ([GFAfnLtYFJyDnEfy](https://www.coursera.org/account/accomplishments/records/GFAfnLtYFJyDnEfy)) | University of Maryland | 100% |
| Programming Mobile Applications for Android Handheld Systems: Part 2 ([2prfWkaQj3Qc7zDN](https://www.coursera.org/account/accomplishments/records/2prfWkaQj3Qc7zDN%20) ) | University of Maryland | 96.7 % |
| Programming Mobile Services for Android Handheld Systems: Communication ( [R5g8tkLx9SvfLDNS](https://www.coursera.org/account/accomplishments/records/R5g8tkLx9SvfLDNS%20%20)  ) | Vanderbilt University | 100% |

### Employment Summary

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| **Company Name** | **Digital Minds Software Solutions** (<http://www.dmss.co.in/)> |
| **Company Profile** | Digital Minds is part of Burbank group of companies and offers software design and development, Mobility, architecture visualization, drafting and IT enabled services. |
| **Role** | Technical Project Manager - Mobile Apps |
| **Duration** | 09/02/2016 to Till Date |
| **Client** | Burbank group of companies ( <http://www.burbankgroup.com.au/> ) |
| **Responsibility**   * I had played both management and technological roles (PM / Architect / Scrum Master). * Team building: Hire and setup the team. * Developing procedures, service standards and operational policies, planning & implementing effective control measures to achieve the desired goals. * **Implementation: Involvement in coding (50%), Testing, Code Reviews, Apps performance optimization, Deployment,** * Developing and demonstrating the POC to potential stack-holders. * Architecture and Technology stack selection: 100% involvement in HLD (High Level Design), LLD (Low Level Design). * Business Goal: Efficiently understand the business goal of the organization, Co-ordination among different departments, managing the tech team directly, architecting the solution, POC (point of contact) for stack-holders. * Develop and Integrate Mobile Apps with Enterprise Level Business Products. | |

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| **Company Name** | **Wipro Technologies Ltd.** (<http://www.wipro.com/>) |
| **Company Profile** | Wipro Ltd is a global information technology, consulting and outsourcing company (CMM5) with 140,000 employees serving over 900 clients in 57 countries. |
| **Role** | Module Leader – Enterprise Mobility |
| **Responsibility** | Mobile Apps Development for various clients |
| **Duration** | 27/08/2012 to 08/02/2016. |
| **Clients** | * American Honda Motor Company * National Grid UK * Abu Dhabi Distribution Company. * Thames Water * Hertz Equipment Rental |

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| **Company Name** | **NIIT Technologies Ltd.** (<http://www.niit-tech.com/>) |
| **Company Profile** | NIIT Technologies is a leading IT solutions organization (CMM5), servicing customers in North America, Europe, Middle East, Asia and Australia. |
| **Role** | Senior Developer |
| **Responsibility** | Design, develop and deploy mobile apps |
| **Duration** | 06/04/2011 to 23/08/2012 |
| **Client** | * Adecco Switzerland |

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| **Company Name** | **FinCrest Information Services Pvt. Ltd Hyderabad** (<http://www.fincrest.com>) |
| **Company Profile** | FinCrest is an offshore IT services company, located in Hyderabad, India offering high-quality financial and business information services to various financial institutions. |
| **Role** | Lead Programmer Analyst |
| **Responsibility** | Design, development and support financial application for NASDAQ |
| **Duration** | 06/04/2009 to 16/11/2010. |
| **Client** | * NASDAQ OMX Group, Inc |

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| **Company Name** | **Sumtotal Systems Hyderabad** (<http://www.sumtotalsystems.com/>) |
| **Company Profile** | SumTotal Systems, Inc. is the leading provider of proven talent development solutions that automate and integrate learning, performance, and compensation to drive business results. |
| **Role** | Software Design Engineer |
| **Responsibility** | Web development, testing framework development |
| **Duration** | 15/06/2006 to 27/01/2009 |

**Professional Projects**

**Projects:** **Digital Minds Software Solutions**

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| **Company Name** | **Digital Minds Software Solutions** (<http://www.dmss.co.in/)> |
| **Role** | Technical Project Manager - Mobile Apps |
| **Responsibility** | Mobile product design and development, Setup and manage mobility team |
| **Duration** | 09/02/2016 to Till Date |
| **Client** | Burbank group of companies ( <http://www.burbankgroup.com.au/> ) |

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| **Project#** | **1. Burbank App [iPhone & Android]**  **2. Burbank Connect App [iPhone & Android]**  **3. EMS App (Extras Management System) [Windows 10 UWP]** |
| **Team Size 11** | **Duration:** 5 month (Current) |
| **Technology** | Swift, XCode, Android Studio, SQLite, masonry, Cocoa Pods, Amazon Web Services S3, Google Maps, iCloud, Social integration, Window 10 UWP, WCF Web Services |
| **Burbank App:** The App will be used by House owners who booked house with Burbank. House owners will communicate through this app with the supervisors and will see house construction status within the app. App provides the functionality to see 360-degree virtual reality photos and videos to view the current status of the house. App provides 40 + functionality within the app.  **EMS App:** EMS App will be used by supervisors who can raise requisition request of building material, manpower etc. The App also handles requisition approval process and bulk concrete order process. The App will be used for commination between Supervisor/ Managers and Headquarter team.  **Burbank Connect App:** This Apps will be used by Burbank suppliers who supplies building material to Burbank. They can manage their supplier team, Purchase orders, Docket information, Notification and messages. The app will be used for communication between Burbank Team and Supplier Team. | |
| **Responsibilities:**   * + End to end delivery - team building, requirement analysis, architecture design, development, delivery.   + Requirement analysis and defining the functionality of the apps and getting approval for the requirements.   + Provide prototype and mockup screen designs to developers.   + Defining the App architecture and backend architecture and applying best practices.   + Working in agile methodology and managing 11 members team as Scrum Master.   + Developing POCs with new Technologies like AWS integration etc.   + Managing multiple project delivery and deploying apps to app stores.   + Evaluating new technologies like Xamarin and Windows 10 (UWP) apps | |

**Projects:** **Wipro Technologies Ltd.**

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| **Company Name** | **Wipro Technologies Ltd.** (<http://www.wipro.com/>) |
| **Company Profile** | Wipro Ltd is a global information technology, consulting and outsourcing company with 140,000 employees serving over 900 clients in 57 countries. |
| **Clients** | American Honda Motor Co, National Grid, Apple, Thames Water, ADDC, Hertz |
| **Role** | Module Leader – E Mobility |
| **Responsibility** | Design, develop and deploy mobile apps |
| **Duration** | 27/08/2012 to 08/02/2016 |

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| **Client** | **Abu Dhabi Distribution Company (ADDC).** www.addc.ae |
| **Project#** | **Billing and Payment Mobile App for Abu Dhabi Distribution Company (ADDC).** |
| **iTunes Link** | <https://itunes.apple.com/ae/app/addc/id1045166599?mt=8> |
| **Team Size 2** | **Duration:** 5 month (Current) |
| **Technology** | Objective-C, XCode, Sqlite, masonry, Payment gateway integration, Soap,Mapkit |
| **Abstract**  I developed App for ADDC end users. ADDC user can see their water and electricity bills, usage, profile and other important information within the app. | |
| **Responsibilities:**   * + Requirement analysis and architecture design of app to support all iOS devices.   + Provided layered architecture design to consume soap web services and manage data efficiently.   + Developed complex logic for water tariff calculation.   + End to end development of the app.   + Provided Turn By Turn navigation functionality on native Apple Map to reach ADDC service centers.   + App supports English and Arabic language.   + Visited Abu Dhabi (Onsite) to integrate live web services. | |

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| **Client** | **Thames Water UK. (**<http://www.thameswater.co.uk>/) |
| **Project#** | **Report A Leak App** |
| **Team Size 2** | **Duration: 4 month** |
| **Technology** | **MobileIron MDM, Objective-C, XCode, XML parsing, Map, Clustering annotations** |
| **Abstract**  I developed App for Thames water employees to report a water leakage from iPhone/ iPad accurately on the map. The app shows all water leak, repair, planned improvements, traffic disruptions sites on the map and in table view, along with progress detailed information. App clusters the annotations if | |
| **Responsibilities:**   * + Requirement analysis and architecture design of app to support all iOS devices.   + Consumed XML services and added annotation for leak repair etc.   + Provided clustering of annotation functionality for multiple annotations at one location.   + Managing Enterprise Developer portal, app provisioning etc.   + Provided functionality to capture photo of leaks and submit it as Multipart-form data to the server. | |

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| **Client** | **National Grid UK** |
| **Team Size 4** | **Duration: 1 year 7 months** |
| **Number of Apps** | **Developed 12 Enterprise iOS App having backend integration as SAP Mobile Platform.** |
| **Technology** | Objective-C, SMP, Afaria, iOS7, Single-Sign On (Digital certificate Based Authentication), Mapkit, SQLite, Core-plot API,etc. |

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| **Responsibilities:**   * Use of latest cutting edge technologies such as recently launched MEAP, SAP Mobile Platform 3.0- among the 1st few companies in the world to have successfully implemented this version. * Design of the Mobile Device Management solution. * Design of the Enterprise App Store and related artifacts in collaboration with another partner. * App built for iPhone and iPad (iOS7). * Use of Net weaver Gateway OData Services for backend connections. * Mobile apps reference architecture for future usage within National Grid. * Use of Single Sign On Authentication mechanism. * This Project has won the SAP Quality UK Awards in 2014 | |
| **NG App# 1** | **AQAD App - Automated Quality Assurance Device App** |
| **Abstract:** The App Automates auditing process of National Grid UK. The app is created for iPhone which is used to audit a National grid systems. The App uses the iPhone’s sensors such as a touch screen, camera and GPS, to record signatures, images and location leading to a high degree of audit accuracy. The solution includes a fully hosted and managed portal that lists audit jobs, schedules, forms, reports. | |
| **NG App # 2** | **WRRD - Work Review, Reschedule, Dispatch App** |
| **Abstract:** This App is a custom Work Review and Management solution based on iOS is built for the Transmission Asset Management business to provide early view of the maintenance work. The point of work solution significantly improves the maintenance delivery by allowing maintenance team leads to review the work plan by applying search, filters and dynamically grouping the work order tasks. It also provides the project leaders and team with a view of the planned, actual cost of the work and thus allowing them to better manage the work. | |
| **NG App # 3** | **Timesheet App for NG Employees** |
| **Abstract:** A bespoke timesheet iOS App is developed for NG Employees to enter their timesheet. the user has contextual display such as work order list, planned working time, non-availability and eligible earning categories and thus is able to complete time sheet with fewer interactions. The errors are minimized at the point of entry with real time validations. With the improved ease of access and ease of use of the solution, number of timesheets that miss submission are minimized and thus business managers have a better view of the actual cost of the work. | |
| **NG App # 4** | **iHub App - Idea Hub** |
| **Abstract:** The iHub mobile app built for capital delivery allows engineers to create and share ideas/best practices/innovations when implementing their capital plan investments. | |
| **NG App # 5** | **Lane Rental App - Lane Rental Charge Avoidance** |
| **Abstract:** This ios app is a simple reporting system that will provide a functionality to calculate and compare the relative costs of working under and outside of the Lane Rental scheme. The App is used to choose the optimized rental scheme and save ~£0.5 million per annum for national grid. | |
| **NG App # 6** | **Vehicle Inspection** |
| **Abstract:** Vehicle inspection and defect management enables the field force tea members to carry out daily vehicle inspections and report any defects they may have to ensure the and prove the vehicle fit for purpose and road worthy, via their iPhone this will replace the current hardcopy paper version. | |
| **NG App # 7** | **Plant Tools & Equipment Inspection App** |
| **Abstract:** Plant Tools and Equipment Inspection App enable the field force team members to check they have the correct plant and equipment and it’s in correct working order and they have the required tools to carry out their respective tasking. | |
| **NG App # 8** | **GDRT Supervisor Apps / GDRT Resources App** |
| **Abstract:** These Apps are to assist the NG field force teams and to make better use of the available technology in the form of the iPad’s and iPhones that are being introduced to improve the effectiveness and introduce efficiencies across the teams, by providing access to the relevant data, which relates to day to day tasks such as Plant Tools and Equipment checks, Vehicle inspections, Defect management and Photo Share, also they will have the ability to see what works they have for the day, where they geographically in the form of work orders, displayed on an interactive mapping tool. | |
| **NG App # 9** | **Project Roll-Out Tracker App** |
| **Abstract:** This app is value add to the Transmission Front Office- Scheduling and Mobility business team to keep track of the Project Deployment progress. The training and rollout of devices to the field users and office users is staggered over a period of 12 weeks and this app will give senior management a quick view of zonal wise rollout progress. | |
| **NG App # 10** | **MSO App - Market System Operations** |
| **Abstract:** This App is developed to showcase Market System Operations Data and hence create a more accessible route to National Grid information relevant to it's customers and the industry which fits with the National Grid Customer Commitment. The app provides real time electricity and gas market system operations data. | |
| **NG App # 11** | **Timesheet Approval and Delegation App** |
| **Abstract:** This App is developed for National Grid supervisors and Managers to approve timesheets filled by field force engineers. The supervisors can see the work order details and progress in the app. If supervisor is on leave then he can delegate this approval task to other supervisors within the app. | |
| **NG App # 12** | **Wipro Apps Demo App** |
| **Abstract:** This App is built to demonstrate all National grid apps. This apps has business drivers, technologies used and screen shots of above apps developed for national grid. This app is used by Wipro management in different demos. | |

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| **Project# App** | **Mobile Apps for vehicle infotainment system (touch screen device in car)** |
| **Team Size** 14 | **Duration:** 8 months (September 2012 – April 2013) |
| **Client** | American Honda Motor Company |
| **Technology** | HTML5, CSS, JavaScript, Objective-C, XCode, Android, Eclipse |
| **iTunes Link** | <https://itunes.apple.com/us/app/hondalink-aha/id560303834?mt=8> |
| **Abstract:**  We developed Mobile Application for vehicle infotainment system (touch screen device in vehicle). When we connect IOS / android device to vehicle infotainment system, the mobile app is transferred to touch screen device of car and user can use mobile app using touching car device or navigate from steering buttons.  The app provides various facilities to the end user, showing user’s information (Email, facebook, twitter etc.) on vehicle infotainment device screen. User authentication, Map, traffic routine, Navigation, Third party service like Local search, social networking, restaurant search, movie search, weather, tuner radio etc.   * User will have an option to choose / apply filter based on Application Category, Vehicle Model, Application Ratings, Smart Phone Support, etc. * User can enjoy social networking while driving just connecting his mobile to vehicle infotainment device. * User can search his favorite local searches while driving. * User can customize his application and select his theme of his application. * User can use application from vehicle steering buttons. | |
| **Responsibilities:**   * + Requirement analysis and architecture design.   + Developing proof of concepts (POCs) of various functionality.   + Developing IOS frameworks to have reusable architecture of apps.   + Developed App Controller app which can control / navigate car app using Bluetooth/Gamekit framework.   + Provided native framework which can be used using JavaScript to access native data.   + Added App store functionality to Sync/ Download Html 5 apps.   + Provided training to project engineers.   + Source version control maintenance.   + Managed release to onsite team.   + Maintained app store distribution/ provisioning process. | |

**Projects:** **NIIT Technologies Ltd.**

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| **Company Name** | **NIIT Technologies Ltd.** (<http://www.niit-tech.com/>) |
| **Client Profile** | The Adecco Group, a Fortune 500 company based in Zurich, Switzerland, is the world’s leading provider of HR solutions. With over 28,000 employees and 5500 offices in over 60 countries and territories around the world. |
| **Role** | Senior Developer – Mobility |
| **Responsibility** | Design, develop and deploy mobile apps |
| **Duration** | 06/04/2011 to 23/08/2012 |

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| **Project** | **Global Mobile Application for Adecco’s Global Web Platform.** |
| **Team Size 6** | **Duration:** 1year 4 months (April 2011 – Aug) |
| **Client** | Adecco Group (Adecco management & consulting S. A.) |
| **Technology** | Objective-C, XCode, Restful WCF web services with JSON, eclipse, SVN, TFS, Eclipse |
| **Abstract** | The Adecco Group has over 200 business units operating as separate companies, each with their own IT department responsible for developing custom software. Adecco Group decided to develop a scalable and re-usable web and mobile app solutions for its business units worldwide.  We designed the Global Mobile application to provide functionality that would meet the needs of each business unit. Application has various configurable functionalities.  The various instances of the service comply with a standardized contract with which the Adecco Mobile application was designed to interface. In this manner, new business units can be added to the system with only configuration changes in lieu of edits to the application codebase.  The application includes scalable client architecture that permits subsequent Mobile applications to be added with no code changes, resulting in less time and cost to deliver each new application. Finally, the scalable service architecture allows new mobile and web applications to be developed with reduced time and cost.  Several Adecco business units are now have their own application in Apple’s App Store and Android Market (links below), each with its own branding, style, and language preference options. |
| **App Name** | **Apple store URLs** |
| Experts Recruitment | <http://itunes.apple.com/fr/app/adecco/id363561988?mt=8> |
| Adecco Jobs | <http://itunes.apple.com/us/app/adecco-jobs/id363736189?mt=8> |
| Adia | <http://itunes.apple.com/fr/app/adia-offres-demploi/id396109334?mt=8> |
| Accounting Principals | <http://itunes.apple.com/us/app/accounting-principals/id501638251?mt=8> |
| Adecco CH | <http://itunes.apple.com/ch/app/adecco-ch/id454974921?l=en&mt=8> |
| Adecco | <http://itunes.apple.com/fr/app/adecco/id363561988?mt=8> |
| Office Angles | <http://itunes.apple.com/gb/app/office-angels-jobs/id522023707?mt=8> |
| LEE HECHT  HARRISON | http://itunes.apple.com/us/app/lee-hecht-harrison-careers/id398477315?mt=8 |

**Projects: FinCrest Information Services Pvt. Ltd Hyderabad**

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| **Company Name** | **FinCrest Information Services Pvt. Ltd Hyderabad** |
| **Client Name** | **NASDAQ OMX Group. Inc USA** |
| **Client Profile** | NASDAQ OMX is the world's largest exchange company delivering trading, exchange technology and public company services across six continents, with over 3,500 listed companies. (<http://www.nasdaqomx.com/>) |
| **Role** | Lead Programmer Analyst |
| **Duration** | 06/04/2009 to 17/11/2010 |

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| **Project #** | | **Developing Document Storage and Retrieval System (DSR) and Integrating it with Exchange Analysis and Compliance Tracking System (ExACT)** |
| **Team Size 3** | | Duration: Feb 2010 to Nov 2010 |
| **Role** | | Lead Programmer Analyst |
| **Technology** | | C#, ASP.NET, SQL Server 2008, Oracle 10g, ADO.Net, ASP, VB.NET, PLSQL, JavaScript, DBLinks |
| Abstract: NASDAQ used third party document warehouse tool Macro4 to save the documents. I developed a generic Document Storage and Retrieval System (DSR), which replaced Macro4 and provided ease of saving and retrieving documents to Analysts.  Integrated DSR with all modules of ExACT System. Analysts can store and retrieve documents directly within ExACT. Implemented sub system level security for the documents. Analyst cannot access documents if he doesn’t have right security token. | | |
| Responsibilities: **Phase I: Developing DSR**   * + Requirement analysis and breaking it into modules.   + Database Schema Design, Creating DB Scripts, Stored Procedures, creating DBLink from SQL Server to Oracle (ExACT DB).   + Prototype design of saving documents on disk instead into DB. Used new file streaming feature of SQL Server 2008 to save documents onto disk.   + 3-tier architecture design and separated business layer from UI Layer. | | |
| * + Provided generic UI representation of document description.   + Entitled NASDAQ’s Security to DSR System.   + Implemented document search functionality.   + Implemented view documents functionality to view PDFs, docs, imaged etc.   + Implemented ‘Generic Table Maintenance’ functionality to edit any tables into the database for easy maintenance using dynamic grid view. | | |
| **Phase II: Integration of DSR with ExACT.**   * + Requirement analysis and design.   + Integration of DSR with all required ExACT features with DSR. Compliance, CG, LAS, Hearings, Appeals, Application, UTP etc.   + Entitled NASDAQ’s Security every module to view and retrieve document.   + Deployment changes to UAT Server.   + Implementing security to DSR generic search, ExACT imaging Search modules.   + Developing independent page to upload any type of document form one page.   + Sending mail with Attachments from DSR system. | | |
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| **Project #** | **Migration of Exchange Analysis and Compliance Tracking System (ExACT) data interface from Edgar Online to Morning Star** | |
| **Team Size 2** | Duration: from April 2009 to Feb 2010 | |
| **Role** | Programmer Analyst | |
| **Technology** | Classic ASP, ASP.NET, VB 6.0, COM, VB.NET, C#.NET, PL/SQL, Oracle10g, Toad, shell Scripting, JavaScript, ADO.NET | |
| **Abstract:** NASDAQ received SEC Filing data from vendor “Edgar-Online” for its “Exchange Analysis and Compliance Tracking System” (ExACT). Data comes from vendors on daily bases and loaded to ExACT by batch Programs. I migrated the data interface from one vendor “Edgar Online” to another vendor “Morning Star”. We re-design the database schema according to requirements. Morning Star team sends daily filings in XML formats and I wrote batch programs process data into ExACT System. We added new functionality for filing rejection processing within ExACT. | | |
| Responsibilities:  * + Requirement analysis and creating design document for the requirement.   + Writing shell scripts to fetch data from new vendor on nightly basis.   + Database Schema re-design, Creating DB Scripts, Stored Procedures,   + Writing complex stored procedures to process the filing data which came from vendor.   + Monitoring the batch process and find the root cause of rejected filing records and report to morning star team if any discrepancy found in the data.   + Several online change to ExACT System, which got impacted due to re-design of the schema.   + Prototype design of filing rejection functionality.   + Developed New Interface for online Filing Rejection Processing. The rejected data can be corrected online and re-processed by the same batch program.   + Several requested enhancement and bug fixes.   + UAT Server maintenance. | | |

**Projects: Sumtotal Systems Hyderabad**

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| **Company Name** | **Sumtotal Systems Hyderabad** (<http://www.sumtotalsystems.com/>) |
| **Company Profile** | SumTotal Systems, Inc. is the leading provider of proven talent development solutions that automate and integrate learning, performance, and compensation to drive business results. Sumtotal has more than 18 million users worldwide and 1500 customers including world’s best-known companies and government agencies. |
| **Role** | Software Design Engineer |
| **Duration** | 15/06/2006 to 27/01/2009 |
| **Abstract:** Sumtotal is product-based company. I worked on its web based product from LMS 7.2 to LMS 8.1(SP1). I worked on various modules, functionality enhancement, framework development and version upgrade. | |

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| **Project #** | **Developing UI Automation framework in C# for selenium-RC** |
| **Team Size 4** | Duration: 11 months (Feb 2008 – Jan 2009) |
| **Technology** | C#.NET, XML, Selenium-RC, OOPS, svn |
| **Abstract:** | Our team developed OOPS based generic UI automation framework which is not tied with selenium. UI Automation framework provides facility to create automated test plans, test scenarios, test cases. This framework can be used to test any web based application. The framework handles popup and model window. It has logging functionality, which helps in better debugging. Test Plans results summary is reported in HTML format. Framework can handle Menu, Tree view, Dropdown etc functionalities. Frame work user does not require going throw x-path details of menu, tree view, dropdown. |
| Responsibilities:  * + Provided generic UI Automation framework which can be used to automate any web based application.   + Added functionality to handle Menu, Tree view, Model window and popup.   + To support and resolve issues faced teams who use this framework.   + To implement base state for test scenarios.   + Writing selenium wrapper functions.   + Implement Test Plan Engine functionality. | |

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| **Project #** | **Success Factor web service integration with SumTotal’s LMS 8.0** |
| **Team Size 4** | Duration: 5 months (Oct 2007 – Feb 2008) |
| **Technology** | ASP.NET, Web Services, C#, Oracle 10g, PL/SQL, MSSQL Server 2005, Toad, PL/SQL Developer, svn |
| Abstract: This was the web service integration to synchronize LMS results between the two LMS between Success Factor and Sumtotal’s LMS. | |
| Responsibilities:  * + Analyze the product and create the design document based on functional specification.   + Communication with Success Factors team about the functionality and issues.   + Coding to consuming Success Factors web service and integrate with Sumtotal’s LMS.   + Translate the business rules into code and implement the functionality.   + Added new interface for the integration in Sumtotal’s LMS.   + Online changes for the new fields in the integration module.   + Unit testing, fixing reported bugs and existing bugs on priority. | |

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| **Project #** | **Developing Database Scripts to Upgrade from LMS 7.6 to LMS 8.0** |
| **Team Size 6** | Duration: 4 months (June 2007 – Sep 2007) |
| **Technology** | Oracle 10g, PL/SQL, MSSQL Server 2005, Toad, PL/SQL Developer, svn. |
| Abstract: I created the database upgrade scripts to upgrade LMS 7.6 to LMS 8.0 in both supported databases MSSQL Server 2005 and Oracle 10g. | |
| Responsibilities:  * + Schema comparison and creating DDL Scripts for the difference in the two versions.   + Creating the DML scripts to load default data into new codes tables.   + Impact analysis of removed/ added fields in the tables.   + Modification of sample data scripts. | |

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| **Project #** | **LMS 7.6 Enhancements** |
| **Team Size 12** | Duration: 12 months (June 2006 – May 2007) |
| **Technology** | Classic ASP 3.0, COM, JavaScript, HTML, HTML, CSS, T-SQL, PLSQL, SQL Server 2005, Oracle 10g, svn |
| **Abstract:** This was the enhancement project. I enhanced new functionalities in LMS like Activity detail, Course search, Learner Progress Detail, course overview. | |
| **Responsibilities:**   * + Analyze the product and create the design document based on functional specification.   + Translate the business rules into code and implement the functionality.   + Writing new stored procedures for the new functionality.   + Adding new pages to existing product for new functionality and modifying of existing pages.   + Unit testing, fixing reported bugs and existing bugs on priority. | |

**Academic Projects**

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| **Title** | **Implementation of Distributed Database Management System** |
| **Team Size 3** | **Technical Environment: C/C++ & MySQL** |
| Abstract: A Distributed database management system is built on top of three MySQL servers. Fragmented tables are distributed among these three servers. After submitting a query at any of these sites, fragmented queries related to this query are obtained, and those queries are run at the corresponding sites, and the result is send to the requesting site. Fragment transparency is maintained. I contributed in preparing DB schema, finding the fragment queries, identifying the required sites for query optimization etc. | |

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| Title | **Skip Lists: A Probabilistic Alternative to Balanced Trees** |
| Team Size 1 | **Technical Environment: C/C++** |
| Abstract: Skip lists are data structures that use probabilistic balancing rather than strictly enforced balancing. As a result, the insertion, deletion and search are significantly faster than binary search or AVL trees. The results of skip lists compared with Binary Search Trees and AVL trees. | |

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| **Title** | **Torsion Angle Visualization tool** |
| **Team Size 1** | **Technical Environment: Java Swings, MS Access** |
| Abstract: Aim of the project is to calculate the 8 Torsion angles of RNA from pdb files and plots the dots. pdb file contains 3D co-ordinates. This tool is calculates the torsion angles and stores in database. The various comparison graphs can be generated which represent RNA properties. | |

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| **Title** | **Online GRE dictionary using Project Gutenberg data and word games** |
| **Team Size 3** | **Technical Environment: Perl, PHP** |
| Abstract: We created an online dictionary. We used open source Gutenberg data. This Gutenberg data is large text files contains meaning synonyms, antonyms and usages. We provided many functionalities login interface, Book Marking words, Searching meaning synonyms antonyms usages, Searching antonym synonym and word guessing game. | |

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| **Title** | **Application Level Gateway** |
| **Team Size 3** | **Technical Environment: Java Socket programming** |
| Abstract: Aim of the project is to implement a simulation program for HTTP Proxy, FTP Proxy and SMTP Proxy, which runs at a system. It maintains cache of static web pages and can restrict few websites. It also measures traffic of request and response across the proxy. End users can send and receive messages from others and messages can have attachments. | |

### Achievements

* + Secured 3874th rank in IIT-JEE 2000.
  + Secured 91.89 percentile in GATE 2003.
  + Secured 417th rank in U.P. State Entrance Exam (UPSEAT).
  + Secured 79th rank in IIIT Post Graduate Entrance Exam.
  + Secured 37th rank in “Bitwise2005” International online programming contest organized by IIT Kharagapur.

### Curricular Activities

* + Member of organizing committee for R&D Showcase’05 IIIT and presented our own tool “Pseudo Torsion Processor”.
  + Secured Third Position in Graphics Design Competition in college tech fest.
  + Organized “RoboRun” competition in college Tech Fest.
  + Actively participated in overnight web designing competition.
  + Member of Lab-Com and Mess-Com committee at IIIT.

### Personal Profile

Date of Birth 11-Jan-1981

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Sex Male

Marital Status Married

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### Declaration

I hereby declare that all the information mentioned above is true to the best of my knowledge.

Date: (Satya Priya Rajput)