**Sachin Chawla**

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**Assistant Vice President • Technical Lead  
Risk & Finance IT • Reporting & Analysis Horizontal**

***Over 14 years of core development and leadership in Microsoft Technologies***

***Technical Lead Profile (8 Years)***

* **Risk & Finance Portal – Development Lead** for Reporting & Analysis platform
* **GUI delivery lead** of APAC region for Credit Suisse RF IT projects
* **Hiring** and resource management for IT – offshore/onsite.
* Performed **technical leadership roles** in Microsoft .Net (ASP.Net/WPF/Silverlight) and J2EE development teams.
* Line management **– performance and career management**
* Task management for **multi-region development teams.**

***Technical Profile (8 Years)***

* Core strength in MS technologies **(Silverlight/WPF, ASP.Net - C#)** and Database Development (Oracle & MS SQL Server)
* Comprehensive hands-on knowledge on setting up and managing ‘**Continuous Integration’** environments using TeamCity, CruiseControl for .Net projects.
* Knowledge on effective use of **Agile** methodologies of software development.
* Experience on use of **‘JIRA’** tool for issue/task tracking and release management.

***Business Domain***

* **Risk & Finance**
* Purchase Order Processing System
* HR & MIS

**Skills Summary**

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| --- | --- | --- |
| **IT Tools/Frameworks** | **IT Project Lifecycle** | **Value-Added Leadership** |
| **Angular 5, HTML5/CSS3,** WPF, **Silverlight 5, ASP.Net, C#**  **MVVM**  **J2EE Webservices**  **Data Visualization: Tableau, QlikSense, Data watch**  **Agile development**, TDD  **Balsamiq**  **CI – TeamCity,** CruiseControl | **Requirements Analysis** Project Scheduling **Testing/QA/Rollout/Support** | Cross-Functional Supervision **Team Building & Mentoring** Client Relations & Presentations |

**Career Progression**

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| --- | --- | --- |
| **Organization** | **Designation** | **Duration** |
| **Credit Suisse AG, Raleigh, US** | **Assistance Vice President** | **2+ Yrs (Jan 2016 – Present)** |
| **Credit Suisse AG, Singapore** | **Assistance Vice President** | **6 Yrs (Aug 2008 – Jan 2016)** |
| Optimum Solutions/Credit Suisse, Singapore | Technical Consultant | 2.0 Yrs (Aug 2006 – Aug 2008) |
| Tata Consultancy Services, India & US | IT Analyst | 1.0 Yr (Jun 2005 – Jul 2006) |
| TechBooks International Pvt. Ltd., India | Software Engineer | 2.5 Yrs (Feb 2003 – Jun 2005) |
| Air HQs Non Public Funds, India | Software Engineer | 1.5 Yrs (Aug 2001 – Jan 2003) |
| SSI Ltd./Air Force Central Accounts Office, India | Software Engineer | 1.2 Yrs (May 2000 – Jul 2001) |

**Achievement Highlights**

* **IT Project Delivery:** Led the teams in APAC/US with successful deliveries of key regulatory commitments of Credit Suisse. Creating detailed project plans, schedules and work breakdown structures.
* **Driving processes:** First team in Credit Suisse RF IT APAC to successfully adopt agile methodology.
* **Recognition:**

“COE Professional Certificate Reward” from Credit Suisse under a comprehensive training program for building leadership skills in 2010.

Consistent performance rating of AAA/AA throughout my career in Credit Suisse.

“CRO IT Star Reward” for my team in APAC.

**Education/Trainings**

* **Master in Computer Applications**, IGNOU, India (2005).
* **Bachelor’s degree in General Sciences**, Delhi University, India. (1996 – 99)
* Advanced Diploma Computer Concepts & Applications from IIS InfoTech, India. (1996-98)
* Passed Senior Secondary from DAV Public School, New Delhi, India. (1996)

**IT Projects**

**Report & Analysis – Risk & Finance Portal Platform**

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| --- | --- |
| **Role** | **Development Lead** |
| **Team Size** | 6 |
| **Organization** | Credit Suisse, Raleigh, US |
| **Duration** | From Jan 2016 - Present |
| **Environment** | **Front End:** Angular 5 / HTML5 / CSS3 with Responsive framework  **Middle Tier:** RESTFulJava web services  **Reporting:** Tableau and QlikSense |

***Responsibilities***

* Technical solution design for the platform
* Coordination and status reporting to project management team
* Coordination with Tableau and QlikSense Content Delivery teams
* Maintaining and tracking JIRA assignments for team members.
* Maintaining the quality of deliverables with the effective use of CI environments
* Design and review of UI screens, test cases.

***Project Description***

MYRIAD is an initiative to improve efficiencies in existing CRO IT systems by delivering a next-generation data acquisition platform for risk management that is a strategic cross-divisional firm-wide system for enterprise risk management within Credit Suisse. It is a key component in the broader vision for accurate "on demand" risk exposure information for consumption by Risk Management, Front Office and Finance. By moving away from a batch-based data acquisition technology to a more event driven technology, MYRIAD facilitates move to more timely risk management. The highlights of MYRIAD solution are:

* Event based data processing rather than batch oriented utilising Complex Event Processing (CEP) technology
* Clear traceability for transformations applied to source data
* Data stored at the most granular level

**MYRIAD (Manage Your Risk Intelligently and Dynamically)**

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| **Role** | **GUI Delivery Lead** |
| **Team Size** | 8 |
| **Organization** | Credit Suisse AG, Singapore |
| **Duration** | From Oct 2012 - Present |
| **Environment** | **Front End:** Silverlight5 application using MVVM & Unity framework  **Middle Tier:** Java web services implemented over SOAP  **Reporting:** Datawatch Visualization Tool |

***Responsibilities***

* Timely delivery of GUI functions
* Coordination and status reporting with project management team in London
* Interaction with Business Analysts team in London/Singapore
* Maintaining and tracking JIRA assignments for APAC team members.
* Maintaining the quality of deliverables with the effective use of CI environments
* Design and review of GUI screens, test cases.
* Hiring of TCS resources in Bangalore, India.

***Project Description***

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* Clear traceability for transformations applied to source data
* Data stored at the most granular level

**Time Series Reference Data (TSRD) Re-engineering**

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| **Role** | **APAC Delivery Lead** |
| **Team Size** | 8 |
| **Organization** | Credit Suisse AG, Singapore |
| **Duration** | From Jun 2009 – Sep 2012 |
| **Environment** | **Front End:** WPF application using MVVM & Unity framework  **Middle Tier:** Java web services implemented over hessian protocol  **Server components:** Java applications – Spring, JDBC, Hibernate |

***Responsibilities***

* Timely delivery of GUI functions (WPF) & Data Acquisition services (Java)
* Coordination and status reporting with project management team in London
* Interaction with Business Analysts team in London
* Maintaining and tracking JIRA assignments for APAC deliverables.
* Maintaining the quality of deliverables with the effective use of CI environments
* Design and review of GUI screens, test cases.
* Construction of WPF screens/components.
* Performance and career management for team members

***Project Description***

TSRD system in CRO – Market Risk IT is used to acquire and store market prices data. The acquisition processes are run daily to create historical time series of these prices which are finally used by a downstream market risk system (MARS) for calculation of VaR using historical simulation method. The system also supports validations, adjustments & enrichments to time series data. The published time series are versioned and can be accessed by downstream system by providing an instrument and its version reference.

TSRD Re-engineering project was an initiative from Credit Suisse CRO IT to eliminate all the spreadsheet based sourcing and reduce the time required to publish data to downstream from 21 days to 5 days.

**ClusterNet & MaRSNet – Market Risk Reporting Applications**

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| **Role** | Team Lead |
| **Client** | Credit Suisse, Singapore |
| **Team Size** | 2 |
| **Organization** | Optimum Solution(S) Pte. Ltd./Credit Suisse AG |
| **Duration** | From Aug 2006 – May 2009 |
| **Environment** | **Front End: ASP .Net, C#,** **XML/XSLT**, JavaScript  **Server components: Windows services (C#), Grid computing (Data Synapse)**  **Database: MS SQL Server 2005** |

***Responsibilities***

* IT Owner for the application
* 3rd Line support for the application
* BAU – Enhancement/maintenance of application functions
* Timely delivery of quarterly releases of application.
* Interaction with project management team in business.
* Construction of code.

***Project/Role Description***

This role involved enhancements and maintenance of ClusterNet and MaRSNet – the web based applications and their server components implemented as windows services. The applications are used by Risk Management team of Credit Suisse Investment Bank to generate Risk reports for front offices, analysts and regulators.

MaRSNet is an application to maintain report definitions (XML documents defining the queries) and schedule them. The report definitions are run by another CRO IT application – MaRS. The MaRS application accepts the run requests from client applications and produces required Risk numbers using the time series data. The results produced are returned as XML documents.

ClusterNet application contains architecture for converting the tree formatted XML results from MaRS into HTML tables and also provides HTTP interfaces to retrieve the transformed results into Excel sheets that finally form the end-user reports. This application also supports features like drilldown reports, Auto-PDF publishing, e-mail notifications.

**SEASUPPLIER**

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| **Role** | Team Member |
| **Client** | SeaManager, Houston |
| **Team Size** | 20 |
| **Organization** | Tata Consultancy Services |
| **Duration** | From Jun 2005 – Jul 2006 |
| **Environment** | **Front End: ASP .Net, C#**  **Database:** **MS SQL Server 2000** |

***Responsibilities***

* Requirements Analysis
* Preparation of detailed design documents
* Preparation of Unit Test Cases
* Screen designing
* Stored procedures development
* Coding

***Project Description***

This project was a reengineering of the existing Sea Manager application from AS400 RPG and DB2 based technology to .NET technology using ASP.NET, C# and SQL Server. The scope also included integration of the new application with Sea Supplier’s customers and vendors through Microsoft Biztalk.

The shipping companies use this application to create Requisitions, send RFQ and PO to vendors. The vendors then send in their quotes. The system lets the shipping companies’ users compare the quotes and select a quote. Once the quote is selected and approved the system then generates a PO and passes the accounting entries to the shipping company’ financial system, and the PO to the shipboard system and the vendor.

**Typesetters Article Logging Interface**

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| --- | --- |
| **Role** | Team Lead |
| **Team Size** | 3 |
| **Organization** | TechBooks International Pvt. Ltd. |
| **Duration** | From Sep 2004 – May 2005 |
| **Environment** | **ASP .Net, C#,** Microsoft Visual Studio .Net, JavaScript, Windows 2000, IIS 5.0, Visual Source Safe 6.0, **Oracle 8i,** Case Studio |

***Responsibilities***

* Involved in design of architecture for the whole application.
* Development of Web Services for client and Web Service Client applications for the transactions with Blackwell

***Project Description***

The application is a set of interfaces and processes required to transmit article metadata from Typesetters to BPL to log articles and both article metadata and content across BPL à Typesetter for those articles not logged by typesetters. All metadata transmissions are performed through Web Service transactions. Metadata is transmitted as a DTD4 compliant XML stream passed as a parameter to the web service.

**PowerReview - Online manuscript submission and peer review system**

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| --- | --- |
| **Role** | Team Lead |
| **Team Size** | 5 |
| **Organization** | TechBooks International Pvt. Ltd. |
| **Duration** | From Sep 2003 – Aug 2004 |
| **Environment** | **ASP .Net, C#,** Microsoft Visual Studio .Net, JavaScript Windows 2000, IIS 5.0, Visual Source Safe 6.0, Postgres RDBMS, Case Studio |

***Responsibilities***

* Involved in design of architecture for the application.
* Active involvement in design & writing code for Invitation, Submission & Revision module
* Administer the PostgreSQL database on Solaris server.

***Project Description***

Power Review System is an integrated web based workflow solution designed to address the needs of the publication house. This system captures the entire transactional flow of the publication house from manuscript creation to final composition. Whole system is divided into five major modules – Invitation, Submission, Peer Review, Revision, and Decision.

**PowerTrack**

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| --- | --- |
| **Role** | Developer |
| **Team Size** | 4 |
| **Organization** | TechBooks International Pvt. Ltd. |
| **Duration** | Apr 2003 – Aug 2003 |
| **Environment** | Oracle 8i, Developer Forms/Reports 6.0, COM (Visual Basic 6.0), SmartDraw |

***Responsibilities***

* Design of database
* Design/Coding for Profile Management, Tracking interface modules.

***Project Description***

PowerTrack is a typesetter’s production process tracking application designed to meet the needs of numerous workgroups in TechBooks dealing with production for various clients. The application provides the capability to configure the trackable items, stages, milestones, attributes etc. for the client jobs as per the requirements. The dynamic nature integrated into the application allows taking care of diversified needs of various clients.

**Invoicing System**

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| --- | --- |
| **Role** | Developer |
| **Team Size** | 4 |
| **Organization** | TechBooks International Pvt. Ltd. |
| **Duration** | Feb 2003 – Apr 2003 |
| **Environment** | Oracle 8i, Developer Forms/Reports 6.0, SmartDraw |

***Responsibilities***

* Design of database for the application
* Designing/Coding for the Price matrix maintenance module

***Project Description***

Invoicing System provides functions for generation of invoice/bills for the publisher clients of TechBooks. The invoice system supports billing for month as well as end of the job. The system has been integrated with the presently running Pages Report system that is the basic source of information for billable pages. The system involves two modules – Price Matrix maintenance module & Invoice generation module

**IAFCWF Automation**

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| **Role** | Developer |
| **Team Size** | 3 |
| **Organization** | Air HQs Non Public Funds |
| **Duration** | Jul 2002 – Jan 2003 |
| **Environment** | Oracle 8i, Visual Basic 6.0, Crystal Reports 8.5, MS Visio |

***Responsibilities***

* Design of database for the application
* Designing/Coding for AOA’ Contingency module and NPF Insurance module.

***Project Description***

IAFCWF (Indian Air Force Central Welfare Fund) Automation project involved the automation of different IAFCWF activities – *Grants to NPFs, Insurance for NPFs, AOA’s Contingency Fund.* All these were the modules of this automation system integrated together and also to existing Accounting system of the organization.

**Incoming Mail System**

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| --- | --- |
| **Role** | Developer |
| **Team Size** | 3 |
| **Organization** | Air HQs Non Public Funds |
| **Duration** | Mar 2002 – Jun 2002 |
| **Environment** | Oracle 8i, Visual Basic 6.0, Crystal Reports 8.5, MS Visio |

***Responsibilities***

* Design of database for the application
* Design/Code for the Mail Tracking Workflow and IAFCWF/REHABILITATION Integration.

***Project Description***

This system was developed for tracking of all the incoming postal mail of organization. This system has two core modules – Incoming Mail Tracking (as it flows from Treasurer à Secretary à Director à Respective Departments) & IAFCWF / REHABILATION Integration

**Rehabilitation System**

|  |  |
| --- | --- |
| **Role** | Developer |
| **Team Size** | 3 |
| **Organization** | Air HQs Non Public Funds |
| **Duration** | Aug 2001 – May 2001 |
| **Environment** | Oracle 8i, Visual Basic 6.0, Crystal Reports 8.5, MS Visio |

***Responsibilities***

* Design of database for the application
* Design/Code for the Verification module and Final Grant module

***Project Description***

This system was developed for automation of activities performed by Rehabilitation department of organization. The system provides for the tracking of applications from AF Personnel widows requesting grants. The system automates the long process of correspondence, verification and release of final grant. It is essentially a workflow solution enabling the management to track the status of an application at any stage. It has three module – Initial correspondence module, Verification module integrated with Air Force Records Office System (an external system) & Final Grant module.

**Air Force Pay Accounting System**

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| --- | --- |
| **Role** | Developer |
| **Team Size** | 10 |
| **Organization** | SSI (Air Force Central Accounts Office) |
| **Duration** | May 2000 – Jul 2001 |
| **Environment** | Oracle 8.0, Developer Forms/Reports 6.0 |

***Responsibilities***

* Design of database for the application
* Design/Code for the Officers Pay System and IRLA generation module

***Project Description***

This was a platform conversion project from existing COBOL based payroll accounting system of Indian Air Force to Oracle. The project involved study of the existing system, identifying the shortcomings and conversion to the new platform. The major modules of the system were – Officers Pay System, Airmen/Civilian Pay System, Provision Tax module and IRLA (Pay slip) generation module.

**Information and Query System**

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| --- | --- |
| **Role** | Developer |
| **Team Size** | 1 |
| **Organization** | SSI (Air Force Central Accounts Office) |
| **Duration** | Jul 2000 – Sep 2000 |
| **Environment** | Visual Basic 6.0, Access 97 |

***Responsibilities***

Design/Code for the application.

***Project Description***

This is an information query system implemented on Touch Screen Kiosks at many AF stations across the country. This interactive system allows the AF personnel to query about his/her salary details, PF and retirement benefits details. The system provides the authentication by getting the Service No. and a special check suffix known to AF person.