**Amarnath Sonaji**

# Solution Architect-Technology

Has 15 years of experience in the Information Technology industry. He has extensive experience with conducting requirement analysis, architecture design, and implementation of Reporting and Database systems and deploying, migrating, analyzing, performance tuning and optimizing models, packages, reports, and cubes. Possesses exceptional skills in effective problem solving through critical thinking, out-of-the-box thinking and excellent communication skills. Serving as a Solution Architect at Fiserv for the last 5 years. At Fiserv, I was responsible for creating a Centralized Data Repository to support multiple applications and setup BI Framework to facilitate analytical reports related to Banking and Financial Data.

# Core Competencies

* Business process re-engineering
* Requirement gathering, eliciting.
* Providing Technical and design specifications
* Providing and support building test strategy and scenarios
* Building User interfaces and UI design

# Tools and Technologies

* Bi Analytics: Cognos Analytics, Power BI, Micro strategy, Tableau
* Data Integrations: Talend, SSIS
* Database Tools and Technologies: Oracle12c, SQL Server, Toad
* Application Tools and Technologies: Visual Studio, ASP, .Net, C#, Service Now, IBM File Net.
* Additional Applications: HPE Voltage Encryption Across Database and BI Applications

# Responsibilities

* Leading and training the Team on Application Support, Technical Tasks while parallelly working on Application activities.  Work independently to design, implement, and maintain high performance software solutions, communicate ideas, issues,  Acting as SME and providing consultation on banking and finance, security, trading, and healthcare domains.
* Increase revenues and cuts costs by implementing the effective completion of crucial projects while meeting time and budgetary goals.
* Working directly with Business Users and leading and guiding the Application Support Team to work on various issues.

# Educational Qualifications

* MS.in Information Technology, Schiller International University, Florida.
* B.Tech. in Computer Science and Information Technology, PRRM (JNTU), Hyderabad

# Achievements & Certifications

* IBM Cognos BI Author
* IBM Cognos Administrator
* Microsoft Azure Architect Certification (WIP – ETA Jan 2024)

# Project Experience

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| **IBM - May-2022 to date**  |
| Role  | Solution Architect – BI and Application Migration  |
| Technology  | Cognos 11 BI Suite, Framework Manager, VB.net, C#, SQL Server, XML, API, and web service protocols/technologies  |
| Description  | To facilitate Cognos Analytics for the Analytics Services team and provide clients with the highest level of service and technical guidance via remote or on-site delivery on Cognos Analytics solution design, Cognos analytics solution delivery, technical Cognos support, Product instruction and recommendations are made to optimize the clients use Cognos Analytics  |
| Responsibilities  | * Responsible for the design, development, and implementation of Cognos Analytics Solutions and/or Planning Analytics.
* Develop essential partnerships with customers by fulfilling an Architect advisory role that enables customer to reach desired objectives with supported product(s) and optimize their ROI.
* Provide deep technical services using Cognos Analytics and Planning Analytics, including debug, design, implementation, go-live support, instruction, assist with troubleshooting.
* Ensure customer is aware of IBM proven practices and practices are implemented.
* Deliver optimal performance solutions to meet customer SLA and ROI. Communicate effectively with all levels of IBM and Customer management contacts to ensure successful delivery.
* Interact with support and development organizations to address customer satisfaction issues. Travel to customer site for extended engagements when required.
* Collaborate and Coordinate with IBM cross teams to ensure successful delivery.
* Analyze requirements and architect appropriate solutions, with detailed design documents and provide proof of concept.
* Assist in the scoping of projects. Conduct product demonstrations to customers and/or User Groups.
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| **Fiserv – GFS Application Vulnerability – Financial Domain – Jun 2018 to May 2022**  |
| Role  | Solution Architect – BI and Application Migration (Cognos Analytics / Tableau)  |
| Technology  | Cognos 11 BI Suite, Framework Manager, Tableau, VB.net, C#, SQL Server, XML, API, and web service protocols/technologies  |
| Description  | To facilitate quick and easy integration with the HP Voltage product, a common framework is needed that will provide components/utilities supporting common functionalities that multiple application can use to perform encryption/decryption with Voltage. It will also help incorporate a common standard for Voltage Integration across various business units.  |
| Responsibilities  | * Lead large programs and managing multiple scrum teams.
* Working directly with Business Team and planning effective migration of the application.
* Work with developers, user experience designers, subject matter experts, legal and compliance teams to obtain a well-rounded understanding of what is being asked for and our ability to deliver it within the constraints of our environment.
* Implemented HPE Voltage Decryption across BI/ Frontend UI Applications and Encryption in Data layers (Database) to handle PII data.
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|  |   | Migrated CQM to DQM models as part of Cognos Upgrade.  |
|  |   | Implements Voltage Decryption as part of Cognos Framework  |
|  |   | Responsible for Implementing Security on a Package and as well as Row Level Security/Data Level.  |
|  |   | Developed Complex Reports using Cascading Prompts and Conditional Variables.  |
|  |   | Setup the Cognos Audit package to view the information in a logging database about users and report activity.  |
|  |   | Design and review Technical Design Documents and queries through onsite/offshore mail coordination.  |
|  |   | Programmed nightly batches generate the reports and send out emails to the customers.  |
|  |   | Performed Data Migration to deliver data from one database to another.  |
|  |   | Created rich dashboards using Tableau Dashboards and prepared user stories to create compelling dashboards to deliver actionable insights. Provided Solution Approach and Implementation documents.  |
|  |   | Created Prompts, Customized calculations, conditions, and filter (Local, Global) for various analytical reports and dashboards.  |
|  |   | Handled Tableau admin activities granting access, managing extracts and installations.  |
|  |   | Effectively used data blending filters actions, hierarchies feature in Tableau  |
|  |   | Crested action filters, parameters, and calculated sets for preparing dashboards and worksheets using tableau.  |
|  |   | Published workbooks by crating user filters so that only appropriate teams can view it.  |

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| **WV Health Care Authority – BRIM – Health domain - Jan 2015 to Dec 2017**  |
| Role  | Architect – BI Applications  |
| Technology  | Cognos 10 BI Suite, Framework Manager, VB.net, C#, Oracle11g  |
| Description  | The primary responsibility for BRIM is to provide casualty insurance coverage for all State Agencies  |
| Responsibilities  | * Coordinated testing, rollout & deployment of Cognos 10.1 Business Intelligence reporting solutions
* Developed Metadata models and DMR models using Framework Manager and created filters, prompts, calculations, summaries, and functions as per Functional Requirement Specifications.
* Performed burst of Reports against the regions, districts, and stores for delivering by email, appropriate outputs to the concerned District Managers & Team Ambassadors in Cognos Connection  Used combination of batch and SQL loader to process incoming files to Operational data sources.

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| **WV Health Care Authority – Privacy Impact Assessment – Health domain - Jan 2013 to Dec 2015**  |
| Role  | Technical Lead  |
| Technology  | Cognos 10 BI Suite, Framework Manager, VB.net, C#, Oracle11g  |
| Description  | PIA is a tool used to assess the privacy impact and risks to the personally identifiable information (PII) stored, used, and exchanged by information systems.  |
| Responsibilities  | * High level interaction with Domain Heads, Functional Heads, Database Administrators and Windows Team, created Logical Diagrams of Cognos Architecture in existing Enterprise Architecture. Developed different functionalities such as Assign, Process, Reject Work Items for the Bloomberg Analyst
* Designed and implemented Development/Test and Production Environments
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|  |   | Most of the PII data is provided in flat file format, written ODI workflows to process flat files to reporting DataMart.  |

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| **WV Health Care Authority – Quality Improvement Project – Health domain - Jun 2012 to Dec 2013**  |
| Role  | Developer  |
| Technology  | Cognos 10 BI Suite, Framework Manager, VB.net, C#, Oracle11g  |
| Description  | This project is designed to improve the delivery of long-term care services to elders and adults with disabilities throughout West Virginia and to demonstrate the appropriateness of a selected, computerized, comprehensive assessment tool for statewide adoption across all long-term care programs  |
| Responsibilities  | * Acted quickly to analyze the available data and find the root cause of the Production issue
* Continuously provided users with regular updates meanwhile develop a solution for the issue
* Participated in all stages of the product development process like designing, building and testing
* Prepared documentation when logging product issues, with all details, observations, diagnoses and action steps and sent weekly reports summarizing on Production performance
* Suggest overall product improvements, features that customers want, proactively evaluate engineering processes, and provide recommendations to increase efficiency
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| **WV Health Care Authority – Quality Improvement Project – Health domain - Jan 2010 to Dec 2012**  |
| Role  | Developer  |
| Technology  | C#, Oracle11g, SQL Server  |
| Description  | Involved in design, development, coding, customization, configuration, testing and deployment of the stock exchange environment  |
| Responsibilities  | * Involved in the planning of UI design and Coding functionality of different screens of the Application
* Involved in testing of each and every screen in the Application and consolidate all the bugs and discussed with Team on how to handle them
* Worked with managers and interacted with client to develop client displays and user interfaces
* Coordinated with various Teams to collect all the issues and bugs in the system
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