

Deepanshu Vohra (Resume - CV)

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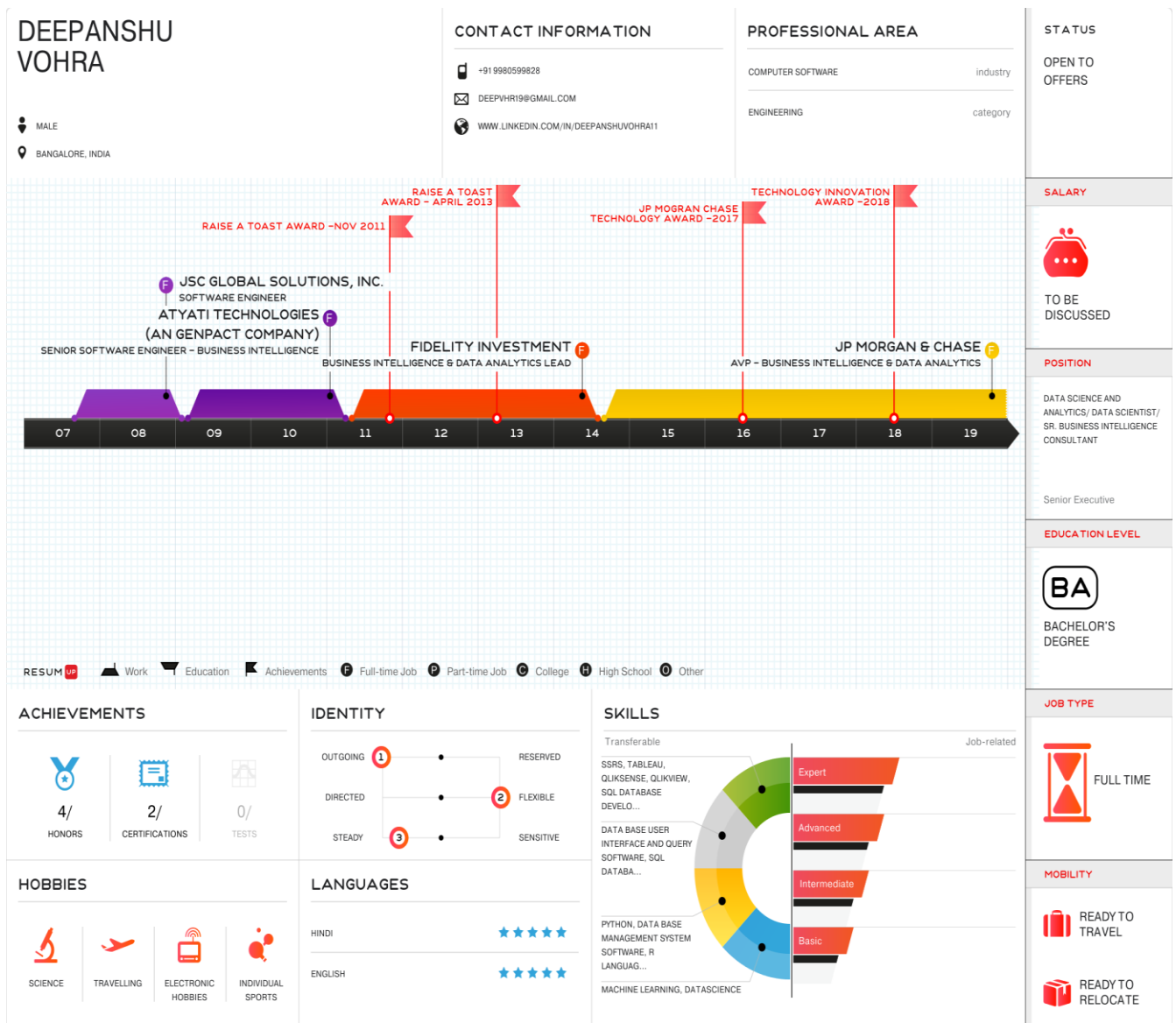
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Business Intelligence Solution Architect & Senior Technology Analyst

A experienced Senior Technology Analyst with **11 years of experience** in the field of **Business Intelligence and Data Analytics**. I am skilled in **Data Analytical Skills, R & Python (pandas, numpy, and matplotlib), Data Science & Machine Learning Algorithm, Tableau, QlikView, QlikSense, SQL Server Reporting Services (SSRS), SQL Server Database development, Data Warehousing, and Data Analytics**.

Strong domain experience in Fixed Income, Capital Market and Equity market and demonstrated the history of working in the financial services industry (Investment banking and Retail banking).



EDUCATIONAL BACKGROUND

- ***Bachelor of Engineering in Information Science (Computer Science, PES Institute of Technology from Bangalore, completed in the year 2007).***

Proof of Concepts (POC) on Data Science using Machine Learning Algorithm and Presented in JP Morgan Chase.

- 1) Demo an application on Sentiment Analysis using Twitter data in R on US Market trading news.
- 2) Demo code on Trading Broker comments on a deal by doing text analysis by creating word clouds in R.
- 3) Finance Analytics for a Credit Card Company, Python
 - Built a logistic regression with an accuracy of 76% to predict the probability that customer's credit card is active.
- 4) Predictive Analytics and forecasting on numbers of trades in a given month by using R and visualization the output in the tableau.
- 5) Big Mart Sales Prediction, Python
 - Enhanced data mining results by performing EDA, treating outliers and missing data using Seaborn and Matplotlib libraries.

Interactive Tableau Resume and Sample Work on Tableau:

[Interactive Resume in Tableau](#)

Experience Summary:

- Hand-on experience using **R Programming** (used package like **ggplot2, data.table** and **dplyr**).
- Hand-on experience using **Python Programming** to do **data analysis** (used package like **Numpy, Pandas, and Matplotlib**).
- A good foundation in **Statistical Analysis**.
- **Expertise** and Strong foundation in **Data Visualization** tools like **Tableau, QlikView, and QlikSense**.
- **Experience** in end to end development of a new set of reports, dashboards & KPI Scorecards in **Tableau**.
- I have experienced in designing customized interactive dashboards in **Tableau using Marks, Action, filters, parameter, calculations, and Relationships**.
- **Expertise with creating solution driven views and dashboards** by developing different chart types including Line Charts, Bar Charts, Pie Charts, Histograms, Tree Maps, Heat Maps, Area Charts, and Bullet Graphs in **Tableau Desktop**.
- I have worked with **Marketing Analytics, Web Analytics, and Sales Analytics in Past projects**.
- **Having** experience as **Microsoft Business Intelligence (MSBI) Developer and MS SQL Server 2012/2008 R2/2005 Database Developer** with strong background in **Data Warehousing (Dimensional Modeling, Database design, and ETL)**, **Business Intelligence** (Reports, KPI, Scorecards, Dashboards) and **SAP Business object XI R4 / Hyperion Designer (8.3)**.
- **Expertise** as **T-SQL Developer** (Stored Procedures, Indexes, Views, User Defined Functions, Triggers and CTE (Common Table Expression)).
- **Expertise** as **SSRS Developer (RDLC Concept & RDLC Concept in SSRS (2005/2008 R2))** and **Expert** in Charts, Tablix, drill down & drill through reports, Matrix, Subreports, dynamic row grouping and writing **Custom Assemblies (C# or VB.NET)** in **SSRS**.

- **Expertise as SSIS/ETL Developer** and experience in **(ETL) data** from Excel, Flat file, Oracle to MS SQL Server by using DTS and SSIS services.
- Experience in using **Data Transformations like Lookup, Derived Column, Conditional Split, Sort, data Conversion, Union All to load data into SQL Server destination.**
- Experience in developing **Web Applications project, Windows Services Project** with the help of **C# 2.0, .NET and ASP.Net 2.0.**
- Strong knowledge of **Agile Methodology (SCRUM).**
- **US Business Visa – B1/B2**

Certifications:

- 1) Certified Agile Scrum Master.
- 2) Certified Google Analytics Code Developer.
- 3) Certified MS SQL Server Database Developer.

Ongoing - online course in Udemy, edX, Plural sight, and Data Camp:

Foundations of Data Analysis: Statistics Using R.

Intro to Descriptive Statistics.

The basic foundation in Statistics and Time series analysis.

Data Science using Python & R.

Exploratory Data Analysis with R.

SKILLS SET

Operating systems	Windows XP/2000/98/95, Windows NT4, UNIX, LINUX
Microsoft Technologies	C#, ADO. Net, ASP. Net, Crystal Reports 8 and ASP.NET 2.0.
Programming Languages	R and Python
Database	SQL Server 2005 /2008/2012
Reporting Tool	SSRS 2008/2012, Tableau, QlikView and QlikSense
GUI	Microsoft Visual Studio.Net (2008/2005 & 2003) and SQL Server Business Intelligence Development Studio (2005/2008 R2)
Source Control/Bug Tracking Tools	SVN & Bugzilla.
ETL	SQL Server Integration Services(SSIS) 2005/2008 R2,DTS
Data warehousing Model	Dimensional Modeling – Star, Snowflake, Fact Table, Dimension Table, Slowly Changing Dimension, Metrics, KPIs, OLAP

Present Employer

JP Morgan & Chase

Sep 2014 to Present

Project Title : IIS (Investment information System) and Fixed Income Trading Reporting.
Technology/Tools : Oracle & SQL Server 2012.
Reporting Tools : Tableau 10.3, Qlikview, QlikSense, R and Python.
Role : Senior Technology Analyst

Role of leadership in the field of Business Intelligence & Data analytics and Database Development for the US Trading Reporting framework in the JP Morgan Fixed Income Division. Designed KPI Dashboard for JP Morgan Fixed Income Management to give them insight and visual storytelling on traders performance (Total Numbers of Fixed Income Trades done by Traders and data analysis on number of Late and Cancel Traders posted by Traders and who was best broker to make a deal and calculating standard deviation in choosing the best broker.

Responsibilities:

1. Translate stakeholder requirements into over 10 different tangible deliverables such as functional specifications, user cases, user stories, workflow/process diagrams, data flow/data model diagrams.
2. I have explored a different lean method that can be implemented in dashboards to drive the business better and get better insights and visual storytelling in Tableau and QlikSense tool.
3. Work with BAs, DBAs, and other Developers to understand the existing system.
4. Performed predictive analysis on 45000+ observations to identify the traders that are most likely to subscribe to the best broker for trade.
5. Work in the end to end development of a new set of reports, dashboards & KPI Scorecards in tableau and Qlikview.
6. Creating solution driven views and dashboards by developing different chart types including Line Charts, Bar Charts, Pie Charts, Scatter Plots,
7. Histograms, Tree Maps, Heat Maps, Area Charts, Gantt Charts, Bullet Graphs in Tableau Desktop.
8. Experience in connecting and extracting data from different data sources.
9. Data are blending to create views combining data from multiple data sources.
10. Implemented Scheduled Updates to Published Tableau Data Extracts.
11. Working as SQL Server Database Architect.
12. Extracted data from various sources like SQL Server 2008 R2, Oracle, CSV, Excel and text file.
13. Tuned existing Stored Procedures, Triggers, Functions, Cursor, Views, and Indexes with extensive use of T-SQL in SQL Server 2008.
14. I am involved in designing the ODS Data Warehouse using Star/Snowflake Schema in SQL Server 2008.
15. I am involved in designing and structure Table partitioning in SQL Server 2008.

Previous Employer

Fidelity Investment

Jan 2012 to Apr 2014

Project Title : OSG
Client : Fidelity Investment Mutual Fund (USA)
Technology/Tools : SQL Server 2005/2008/2012.
Reporting Tools : SSRS R2 2008, SSIS 2008, SAP BO R4
Role : **MS SQL Server/BI/SSIS Developer**

Project Description:

OSG Data warehouse is an enterprise-wide application that source the whole FI data and Mutual Fund data then provide the different kind report to FI fund manager/VP/ Trade partners.

Responsibilities:

1. Work with BAs, DBAs, and other Developers to understand the existing system.
2. Work with DBAs to migrate databases from SQL Server 2005 to SQL Server 2008.
3. Created/Updated Stored Procedures, Triggers, Functions, Cursor, Views, and Indexes with extensive use of T-SQL in SQL Server 2008. Involved in designing the Data Warehouse using Star/Snowflake Schema in SQL Server 2008.
4. Develop views, sub-queries and joins for complex queries involving multiple tables Created joins and sub-queries for complex queries involving multiple tables.
5. Build ad-hoc reports using SQL Server Reporting Services (SSRS), Excel Pivot Table Report.
6. I am involving in creating the various elaborate report as Tablix, Drill Down, Drill Through reports and Sub-Reports as per business requirements.

Previous Employer

Atyati Technologies Private Ltd (a GENPACT Company)

Aug 2008 to April 2011

Project Title : Performance Tuning of GANASEVA and SSRS reports
Client : Andhra Bank, Punjab National Bank & UBI Bank
Technology/Tools : SQL Server 2005/2008, DTA, ETL Tools (DTS)/SSIS
Role : SQL Server Developer and SSIS Developer

Responsibilities:

1. Used SQL Profiler and Index Tuning Wizard for tracing slow running queries and stored procedures
2. Responsible for performance tuning of stored procedures using DMV and Database tuning wizard.
3. I have created SQL script for missing identity index in any table by DMV concept.
4. Created Weekly scheduling Jobs for Index fragmentation process in the system.
5. Worked closely with DBA team to regularly monitor system for bottlenecks and implement appropriate solutions.
6. Evaluated database performance and performed maintenance duties such as tuning, backup, restoration, and disaster recovery.
- 7.

Previous Employer

JSC TechnoCorp Pvt Ltd

June 2007 to June 2008

Wholly Owned and Subsidiary of JSC Global Solutions, Inc

Project Title : iRMAR (Interactive Risk Management Analysis & Reporting)

Client	: International Door Association (IDA), OH, USA.
Technology/Tools	: Visual Studio 2005/2008, SQL Server 2005, BIDS 2005.
Reporting Tools	: SQL Server Reporting Services 2005.
Role	: BI/Application/.NET Developer

Project Description:

The system currently we are developing is a Reporting version where every employee Task details can be seen by SQL Server Reporting Services tool. We are developing **Summary Report, Prompt Report, and Drill through report and details reports**. Each report will be customizable, offering the consumers a chance to select filters and adjust sorting to change the look of the story.

Responsibilities:

- ✓ Involved in the requirement study, analysis and designing the Reports.
- ✓ Implemented and developing Reporting using Business Intelligence Development Studio.
- ✓ Prepared the user manual.
- ✓ Written SQL queries and stored procedures in SQL Server 2005.
- ✓ I am writing C# code to handle web page logic.
- ✓ XML for all dynamic pages.
- ✓ Functionality for all Dynamic pages (like New, Edit, Save, Update, Delete, Cancel and Reset) are written and implemented according to the user's rights, and Document's rights. All the functionalities as mentioned above are written generically.

Achievements:

- Received ***Raise a toast award*** for significant contribution towards understanding the processes and developing the reports on the self-service platform.
- Received twice "**Top award of the year**" in **Fidelity Investment**.
- Received "**JP Morgan AM technology Awards**" in the year 2017.
- Received "**JP Morgan Fixed Income – technology Innovation Awards**" in the year 2018.
- Participated in a couple of **JP Morgan Sponsor Technology Hackathon** (Code-a-thon) happen in (Bangalore, New York).

Personal Details

Name	: Deepanshu Vohra
Father's name	: Mr. R. P Vohra (D.G.M, Syndicate Bank)
Nationality	: Indian
Languages Known	: English, Hindi
Passport Details	: R2903198