**KUNAL PATANKAR**

Current Location: Mumbai, India | Contact: +91 98336 71051 | E-mail: [kunal.patankar@gmail.com](mailto:kunal.patankar@gmail.com)

**Profile Summary:**

* Solution Architect with more than 13 years of comprehensive and in-depth experience in software design, development and consulting. Expert in providing end to end solutions for enterprise data architecture, designing strategy roadmaps and delivering customized BI solutions.
* Worked with cross geographical teams, leading best practices for BI architecture, Data Analytics & exploring Machine Learning Algorithms and delivering quality results using Agile methodology.
* Currently, leading data science projects with hands on experience on IBM SPSS Modeller, R programming, Tableau reporting, Big Data Analytics using Apache Spark. Working on Healthcare Analytics and worked for E-commerce Retail Analytics and HR Analytics in the past.
* Strong development background on IBM DB2 and Microsoft Sql Server relational databases. Strong Organizational and communication skills to drive Enterprise Strategies with C Level IT and Business Executives.

**Current Employer:**

* CitiusTech Healthcare Technology Pvt. Ltd. (Mumbai) from Mar 2016 to till-date as Solution Architect

**Previous Employers:**

* Genpact Headstrong Capital Markets (Bangalore) from Apr2015 to Mar 2016 as Principal Consultant
* TATA Consultancy Services (Bangalore) from Aug 2014 to Apr 2015 as Assistant Consultant
* ACCENTURE (Mumbai and Bangalore) from Sep 2007 to Aug 2014 as Systems Analyst
* Jacobs Engineering Group (Mumbai) from Feb 2007 to Aug 2007 as Software Consultant
* TATA Interactive Systems (Mumbai) from Jan 2004 to Dec 2006 as Software Engineer

**Project Details:**

For Employer: CitiusTech Healthcare Technology Pvt. Ltd. (Mumbai) Duration: Mar 2016 to till-date

* + **Client**: Amedisys Home Health & Hospice Care, United States (Duration: Mar 2016 to till date)
  + **Key Responsibilities**: Lead Data Scientist
    - Leading Team of Data Scientists, Domain experts and BI Developers
    - Designing end to end Solution Architecture for data science project including data preparation phase, data analysis, statistical modeling and reporting.
    - Leading Exploratory and Predictive Analytics, Applying Machine Learning Algorithms, model tuning, model validation and communication of data science results to client.
  + **Environment**: IBM SPSS Modeller (client and server), SPSS C&DS Server, R programming, Tableau reporting, Sql Server 2014 database, Microsoft Azure Cloud environment, Big Data – Hadoop, HDFS and Big Data Analytics using Apache Spark.
  + **Client**: Amedisys Home Health & Hospice Care, United States (Duration: Mar16 to Sep 2016)
  + **Key Responsibilities**: BI Architect
    - Leading Team of BI Developers, Data Modellers and Domain experts
    - Analyse current/legacy BI architecture and problem with the same
    - Design Proof of concepts for new/proposed technologies
    - Design and propose new BI architecture solution
    - High and detailed level design documentation
    - Leading data modeling/ data mart design work, Establish ETL Architecture framework and MDM
    - Leading analysis for KPIs/ measures, designing SSAS OLAP cubes and Cognos reports
    - Study new features and limitations of IBM Cognos Analytics V11
    - Design business model using Cognos framework manager
    - Work with UX team to design and finalise UI for dashboard, drill down and drill through reports.
  + **Environment**: IBM Cognos Analytics V11, ERwin Data Modeller tool, Microsoft SSIS ETL tool, SSAS OLAP cubes, Microsoft Azure Cloud environment with HDInsight Clusters, Big Data using Hadoop, HBase and Hive.

For Employer: Genpact Headstrong Capital Markets (Bangalore) Duration: Apr 2015 to Mar 2016

* + **Client:** Nomura Investment Bank Account (Duration: Apr2015 to Mar2016)
  + **Key Responsibilities**: Data Architect
    - Workshop – participate in client workshops to understand client’s business need / vision
    - Revamp Enterprise Data Architecture – Enhancement in data model, data governance and Master data management strategies
    - BCBS239 compliance – Risk aggregation an mitigation strategies, Establish data integration strategies
  + **Environment:** Sybase Power Designer data modeling tool and its repository, Microsoft SQL Server 2014 database.

For Employer: TATA Consultancy Services (Bangalore) Duration: Aug 2014 to Apr 2015

* + **Client**: American Express Banking & Finance Account: (Duration: Aug2014 to Apr2015)
  + **Key Responsibilities**: Data Modeller
    - Understanding new business requirement
    - Conceptual, Logical and Physical Data Modeling
    - DDL / DML scripts generation
  + **Environment**: Embarcadero ER Studio data modeling tool and its repository, IBM DB2 database.

For Employer: ACCENTURE Services Pvt. Ltd. (Mumbai and Bangalore) Duration: Sep 2007 to Aug 2014

* **Client**: Carphone Warehouse (UK) Retail Account(Duration: Jan-2012 to Aug-2014)
* **Key Responsibilities**:
  + BI Architect
  + Analysis – Analyse client’s legacy data architecture and interfaces
  + Design and propose new BI architecture solution
  + High and detailed level design documentation
  + Leading data modeling/ data mart design work, Establish ETL Architecture framework
  + Lead Cognos BI team to develop dashboards, drill down reports
    - Data Scientist
    - Designing end to end data flow Architecture for data science project including data preparation phase, data analysis, statistical modeling and reporting.
    - Exploratory and Predictive Analytics, Applying Machine Learning Algorithms, model tuning, model validation and communication of data science results to client.
* **Environment**: BI Architecture using IBM suite of technologies (IDA for data modelling, DB2 database and Cognos BI reporting).

Data Science usingIBM SPSS Modeller, SPSS C&DS, R programming and Cognos reporting.

* **Client**: TARGET Retail Account (Duration: Sep-2010 to Jan-2012)
* **Key Responsibilities**: Data Architect
* High and detailed level design and development using oracle database.
* Data integration using IBM Data Stage tool.
* **Environment**: Oracle database, IBM Data stage for integration.
* **Accenture Business Development & pre-sales** (Duration: Sep-2009 to Sep-2010)
* **Key Responsibilities**:
  + Proposals, business development and pre-sales initiatives
  + Propose end to end solutions for data architecture, BI architecture and data analytics.
  + Respond to RFPs, provide high level estimates and present solution to clients.
* **Accenture PCMM Program** (Duration: Sep-2007 to Sep-2009): The People Capability Maturity Model (PCMM) is a maturity framework that focuses on continuously improving the management and development of the human assets of an organization.
* **Key Responsibilities**: Database Designer and Developer
* Design and Develop database for employee, skill, proficiency and other entities.
* Design, develop and publish reports on employee skill-proficiency, proficiency trends across career level & geographies, demand & supply analysis.
* **Environment**: Sybase Power Designer for data modeling, MSBI (SSIS, SSAS and SSRS) and Sql Server database.

For Employer: Jacobs Engineering Group (Mumbai) Duration: Feb 2007 to Aug 2007

* **Client**: Jacobs Project Control Systems Account (Duration: Feb-2007 to Aug-2007)
* **Key Responsibilities**: Database Design, Development and support
* **Environment:** Microsoft Sql Server 2005 database, ASP.Net web pages, generate reports, unit testing, peer reviews, deployment and support.

For Employer: TATA Interactive Systems (Mumbai) Duration: Jan 2004 to Dec 2006

* **Client**: Mc-Graw Hill Account(Duration: Jan-2004 to Dec-2006)
* **Key Responsibilities**: Database Development, T-Sql and PL/SQL programming to extract data from database and publish reports on web page.
* **Environment**: Microsoft Sql Server 2000 database, ASP.Net web pages, unit testing, peer reviews, deployment and support.

**EDUCATION**

* Bachelor of Engineering (B.E.) in Computer Engineering from Mumbai University in 2003 (Grade: 1st class)
* 12th (HSC) in Science stream from SIES College, Mumbai in 1999 (Grade: 1st class)
* 10th (SSC) in Science stream from SKP High school, Mumbai in 1997 (Grade: Distinction)

**ACHIEVEMENTS AND AWARDS**

* Awarded with Accenture ACE Award as High Performing Team player
* Awarded with Accenture STAR of the Month for 3 times as High performer Individual
* Vital Member of Technical Frameworks and Tools Repository Development Team in Tata Interactive Systems knowledge sharing centre

**PERSONAL DETAILS**

* Date of birth : 08-December-1981
* Marital status: Married
* Languages Known : English, Marathi and Hindi
* Passport : Hold valid Passport (Expiry Date: Feb 2024)
* Visa Details : Hold valid USA - B1 visa
* Nationality : Indian