BHASKAR TRIPATHI

Tel. 91-9811142468, bhaskar.tripathi@gmail.com

Summary

- Bhaskar Tripathi is a Product specialist with an overall experience of 15+ years. He has been leading teams and strategic initiatives with an expertise in Product Development, Business Intelligence, Consulting, Analytics and AI. Bhaskar has deep functional understanding in industry domains like Retail (Online and retail stores), Digital Business Transformation, Ecommerce, Banking (Risk & Fraud), Capital & Money markets, Credit cards lifecycle.
- Specialization in building Cloud based data intensive products using Business Intelligence, Analytics & Machine Learning.
- Strong data experience in ETL/ELT/Cloud migration and dashboarding.
- Deep understanding of industry domains in Capital & Money markets, Banking (Risk & Fraud), Credit cards lifecycle, Mutual Funds, Financial Risk Management, Pharmaceutical sales planning and workforce/sales force optimization and digital business transformation/ ecommerce.
- Responsible for building world-leading products and executing end-to-end consulting assignments for fortune 100 clients.
- Strong research, publication and technical experience in optimization algorithms, Artificial Intelligence and algorithmic trading.
- Experience in managing an Agile (Scrum) Development process in client/off-shore model, while closely managing estimates, capacity, project profitability and quality along with hands on coding and strong Modelling skills in Cloud based technologies.
- Hands on proficiency in applying econometric and Quantitative techniques using machine learning and advanced statistical models and building dashboards, visualizations with an enriched customer experience.
- Started as a techie/programmer and evolved to a product leader with deep domain and product expertise, building hypothesis driven research designs by applying various quantitative analysis methods in financial services, Research & Advisory.

Skillsets

Primary Technical Skills:

- **Reporting/ETL/ Datalakes**: Hyperion 9.0 (Oracle BI), Qlikview, Dundas Charts, Telerik Reporting, Tableau, ArcGIS – Spatial Analytics, Power BI, Azure Data Factory, Confluent, Materialize.
- **Statistical Packages/ Analytics**: MATLAB, SPSS, ESRI ArcGIS – Spatial Analytics, SAS, SQL, R, Python, Hadoop/Spark, HIVE.
- **Online DBMS:** Azure Data factory, Azure SQL, Snowflake, Databricks, Tableau, Power BI, Data Lakes on Cloud
- **Cloud ML :** Aluxio, Azure Machine Learning Studio, AWS & Glue, Google Cloud Platform (GCP), Alibaba Cloud PAI studio
- **Database**: MS SQL Server, Sybase IQ, Oracle, Microsoft SQL Server Analysis Services (SSAS), Microsoft SSRS.
- **AI / Machine Learning/ Deep Learning Libraries:** Azure ML, Tensorflow 2.0, Pytorch, Keras, Spark, Most Convex optimization libraries, Google OR toolkit, expert in hybrid Neural Network models and hybrid algos with most NNs like LSTM, ANN, CNN, GAN, Attention based networks, Transformers, Large Language Model fine tuning etc.
- **Data Pre-processing :** Empirical Mode Decomposition, Wavelets, Signal processing methods such as Kalman filter, fat tail analysis.

Product and Consulting Specialization:

- Full-cycle product development, product strategy, requirements (discovery, implementation, and UAT), and business process optimization
- Extensive experience in Data Engineering Practices and Cloud Consultancy
- Experienced in applied mathematical optimization for numerous business processes in the Retail and Finance industries, with a strong background in data engineering.
- Product Quality and product roadmap
- Discovering opportunities and scope for process improvements.

- Strong product and market depth in Cloud, AI/ML, Finance, and Online Retail in the United States, Canada, and Asia Pacific markets, including China.

Career Profile

MultiCloud4U Technologies Pvt. Ltd. (Principal Product Specialist – Data Science and Engineering), Jan 2020 to Present

Client – Alibaba Cloud:
Product Specialist (AI)– Working as a Product Specialist (AI) for Alibaba Cloud's machine learning lab: PAI Studio. Responsible for developing inspiring platform/product visions, data strategy and data engineering processes derived from business needs, market opportunities, and technology trends.

Roles and Responsibilities –
- Responsible for data migration from native cloud to public cloud platform.
- Providing guidance to Alibaba Cloud consultants in shaping up their PAI Studio, which is part of a bigger plan for Alibaba to construct an intelligent Cloud system.
- Accountable to ensure product features designed are released into UAT and production environments smoothly, as well as to advise Alibaba on how to stay competitive in the Cloud market.

Sapient Corporation, Oct 2013 to Jan 2020

Engagements at Sapient:
Loblaws (Canada)
Data Engineering Consultant –
The client, who are one of the largest grocery stores in Canada, wanted to increase the efficiency of their overall order picking process at fulfillment stores. The existing process was sub optimal in capacity utilization of Picking staff and picking carts. Sapient optimized the overall picking efficiency by building a Machine Learning based mobile application for fulfillment stores that resulted into significant increase in order picking process efficiency and influenced many key metrics of the business value chain for Loblaws.
Roles and Responsibilities –
- Responsible for writing entire data pipeline to pull data from native Cloud to Google Cloud (GCP), Cleaning, Transforming and Feature Engineering.
- Owned the overall Product data engineering execution and solutioning
- Built good relations with client stakeholders to create future opportunities for related order fulfillment improvements
- Owned the data transformation completely and improved the data capturing activities at client stores in techno-functional capacity.
- The successful engagement created a huge business impact for Loblaw resulting into higher fill rate & high Net Promoter Score which led to savings of approx. $1.5 million per year with a marginal investment.

Bed Bath and Beyond
Technical Consultant –
The client, who are one of the largest retail stores chain and sell home goods primarily for the bedroom and bathroom, as well as kitchen and dining room and provide installation services. They wanted to re-engineer their legacy online marketplace with a new technology stack. The re-engineered online marketplace would give the end users a seamless digital experience consistent across channels and store devices with improved performance, scalability, better search results at a lower operating cost with improved revenues.
Roles and Responsibilities –
- Offshore Data science lead
- Developed more than 30 product recommendations and built intelligence services that pulled over 2 peta bytes of data in a response time of 3 seconds.

- Managed a team of business consultants and formulated a huge backlog of requirements for a $40+ million engagement.

Marriott
Consultant – A multi country re-architecting of B2C implementations for one of largest Travel & Hospitality organizations. The client, who are one of the largest Hotel Industry giants in the world, were looking at re-engineering their existing B2C platforms with a new technology stack, along with consolidating all their content sites spread across various countries under a single umbrella.
- Lead Product consultant of the data and technology consulting activities for the biggest reservation track from India
- Created the processes of communication and delivery between the India and US business consulting teams
- Ensured that the delivery teams are aware of the business needs at all points in time
- Streamlined the process of query resolution for the delivery and business consulting teams

Boston Consulting Group (BCG)
Business Consultant – Implementation of a flagship product that enables a Big 4 strategy consulting organization to define project's success by creating an explicit link from business strategy and financial impacts to the milestones required to deliver against that strategy.
- The client, who are the largest management consulting organizations in the world wanted to create a large-scale change management product based on their patent methodology for Rigorous Program Management (RPM).
- Lead Business consultant at offshore for all functional requirements of the project
- Scope and Change control board management
- Engaged and collaborated with a team of around 80 members at both onshore and offshore and resolved issues, dependencies, functional clarifications, gaps in understanding
- Provided SME insights to create and improve algorithms and forecasting of financial impacts and then report them through custom generated reports.

Cognizant Technology Solutions, Aug 2010 to Sep 2013
Engagement Manager
- Lead Product Consultant for Geo-Spatial Analytics from India
- Led the development and design of predictive modelling & targeting strategies to support Sales planning efforts for sales team.
- Developing and execute a comprehensive cross selling, retention and growth strategy for existing Pharma industry customers, both for assets & liabilities.
- Quantitative modelling using ESRI based Geo-Spatial Analytics tools using basic & advanced statistics in maps-based dashboard running on Oracle SDE spatial data mart.
- Responsible for project Scope, estimations and delivery along with Project Profitability, Auditing, forecasting, SOW and setting Innovation & Technology roadmap for team, client and other project stakeholders.

BrickRed Technologies (Aug 2010 to Dec 2010)
Technology Lead
Worked for Product designed for Forensic Analysis
- Techno functional full stack role of Getting requirements from business and executing deliverables by leading the technical team.
- Architecting, Code troubleshooting and team mentoring and leading the team for technical deliverables, analysis, R&D.
- Liaising between onshore and offshore teams to close requirements gaps and ensure clarity of requirements.
- Process modeling using UML, Flow charts, sequence diagrams, activity diagrams and Use Cases with extensive use of Visio to create mock ups.
- Responsible for delivering heavily data centric ETL based MIS dashboards for executive summary reports using QlikView.
- Verifying final requirement specifications for correctness, completeness, unambiguousness, consistency and traceability

American Express Pvt Ltd, June 2007 to August 2010

System Analyst
Credit Risk Management for Large Amex merchants – Worked on a global case management tool for Amex which allows for effective Risk management of most highly valued credit card merchants and supports monitoring risk levels in accordance with the Risk policy in Credit Card Development lifecycle

- Worked on building proactive and reactive fraud prevention strategies with Sr leadership for both US and International proprietary card businesses with specific focus on Counterfeit and Mail Order fraud.
- Implemented Quantitative Risk Management Models using Advanced Time Series Predictive Model.
- Financial data integration and data consolidation of data feeds from rating agencies like Reuters, Moody's, Fitch, S&P into dotnet based dashboards for mutual funds products at Fidelity.

Previous Assignments in Brief

- Technology Lead for BrickRed Technologies (Aug 2010 - Dec 2010)
- System Analyst for American Express Pvt Ltd (June 2007 - August 2010)
- System Analyst for Fiserv Pvt Ltd (Nov 2006 - May 2007)
- Analyst Programmer for Fidelity International Limited (May 2005 - Aug 2006)

Education
- **B. Tech (IT)** –Kurukshetra University -2003
- **MBA** – IIFT (Indian Institute of Foreign Trade), Delhi -2012
- **PhD (Computational and Financial Mathematics)** – Thapar Institute of Engg. and Technology, 2017-22