Sravan Allaparthi | Business Analyst

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SUMMARY

Results-driven **Business Analyst** with **3+ years of experience** delivering business solutions through effective requirements gathering, process analysis, and data-driven decision-making. Skilled in creating detailed documentation (BRD, FRD, and SRS), developing dashboards and visualizations using Tableau and Power BI, and employing Agile and Waterfall methodologies to execute projects effectively. Adept at collaborating with stakeholders, analyzing business processes, and recommending strategies that improve efficiency, reduce costs, and enhance decision-making.

TECHNICAL SKILLS

- **Languages:** Python, SQL, R, Java, C++
- **Methodologies:** Agile (Scrum), Waterfall, SDLC, Gap Analysis, Use Case Development, SWOT Analysis, Lean Six Sigma, BPMN (Business Process Model and Notation)
- **Documentation:** FRD, BRD, SRS, Use Case Diagrams, Process Flow Diagrams, User Stories, Test Cases, Impact Analysis Reports
- **Project Management Tools:** JIRA, MS Project, Trello, Team Center, Visio, Lucidchart, Draw.io, Confluence, Asana, Monday.com
- **Visualization Tools:** Tableau, Power BI, Excel (Advanced: Pivot Tables, VLOOKUP, Macros), Looker, QlikView
- **Analysis Skills:** Data Cleaning, Business Process Analysis, ROI, Risk Assessment, A/B Testing, Cost/Benefit Analysis, Predictive Analytics, Sentiment Analysis, Market Research, Requirements Traceability
- **Tracking/Other Tools:** Git, Jupyter Notebook, SAS, SAP, Docker, Kubernetes, Salesforce, HubSpot, Azure DevOps, MATLAB
- **Soft Skills:** Stakeholder Management, Communication, Problem-Solving, Critical Thinking, Time Management, Leadership, Negotiation, Conflict Resolution, Change Management, Decision-Making

PROFESSIONAL EXPERIENCE

Business Analyst | Humana – CA, USA   Jan 2024 – Present

- Collaborated with cross-functional teams and stakeholders to identify business needs, define functional requirements, and create comprehensive BRDs and FRDs for improving healthcare data systems.
- Conducted gap analysis to identify inefficiencies in existing processes, recommending solutions that improved operational efficiency by 25%.
- Designed real-time dashboards and reports in Tableau and Power BI, enabling stakeholders to track key performance indicators (KPIs) and make informed decisions.
- Automated manual workflows using ETL pipelines, ensuring seamless data integration and reducing processing times by 30%.
- Facilitated Agile ceremonies (stand-ups, retrospectives, sprint planning) to ensure alignment between IT teams and business stakeholders.
- Conducted stakeholder training on new tools and processes, achieving a 90% adoption rate.

Business Analyst | Principal Financial – CA, USA   Feb 2023 – Dec 2023

- Partnered with finance and IT teams to develop detailed process flow diagrams and use cases, improving clarity on system functionality for end-users.
- Analyzed financial data trends and performance metrics, providing actionable insights that contributed to a 14.7% increase in revenue.
- Streamlined data collection and validation processes using SQL and Python, reducing analysis preparation time by 20%.
- Created interactive Tableau dashboards to visualize financial metrics and track cost-efficiency, aiding in executive decision-making.
- Conducted risk and impact assessments for new project implementations, ensuring alignment with organizational goals and regulatory requirements.
- Assisted in developing predictive models to support catastrophe planning, enhancing reinsurance strategies and mitigating financial risk.

Business Analyst | Macro Software Solutions – Hyderabad, India   Apr 2020 – Jul 2021

- Led stakeholder sessions to gather and document functional and non-functional requirements for legacy system migration projects.
- Mapped current and future business processes, identifying bottlenecks and recommending process automation strategies.

- Developed use case diagrams and workflows to communicate business requirements to technical teams, ensuring alignment with project goals.
- Coordinated User Acceptance Testing (UAT), created test cases, and resolved issues to ensure successful system deployment.
- Built real-time KPI dashboards in Tableau to monitor system performance post-migration.

Business Analyst Intern | Macro Software Solutions – Hyderabad, India   **Oct 2019 – Mar 2020**
- Assisted in gathering and documenting business requirements for cloud migration, supporting the creation of process flow diagrams and stakeholder reports.
- Conducted risk analysis to evaluate migration challenges, suggesting mitigation strategies that improved project feasibility.
- Utilized AWS to assess infrastructure costs, contributing to effective budget allocation.

PROJECTS

House Price Prediction – Advanced Regression Techniques (MS Capstone Project)
- Designed and implemented a predictive model to estimate house prices, leveraging advanced regression techniques for optimal accuracy.
- Conducted comprehensive data preprocessing, including handling missing values, one-hot encoding for categorical variables, and standardizing numerical features.
- Applied Randomized Search CV to fine-tune an XGBoost regression model, optimizing hyper parameters to minimize negative Mean Squared Error (MSE).
- Trained and validated the optimized model using cross-validation, achieving a low Root Mean Square Error (RMSE), and accurately predicting house prices on the test dataset.

Playground Construction Planning – Project Management
- Led the end-to-end planning and construction of a children's playground at Silver Leaf Park, managing a $200,000 budget in partnership with Santa Clara County's planning and Development Department and RPM Consulting.
- Developed a detailed project plan addressing stakeholder requirements, ensuring compliance with safety standards, and mitigating potential risks.
- Coordinated resource allocation, managed timelines, and navigated challenges such as material shortages and regulatory changes to deliver the project on time.
- Successfully delivered a safe, inclusive playground that enhanced the community's quality of life, showcasing strong leadership, communication, and risk management skills throughout the project lifecycle.

AWS Infrastructure Workshop
- Acquired hands-on experience in deploying and managing AWS infrastructure by configuring virtual servers, object storage systems, and user access controls.
- Set up secure networks, implemented load balancers, and configured auto-scaling policies to enhance application reliability and scalability.
- Explored database services such as Amazon RDS and DynamoDB for efficient data management solutions.
- Gained proficiency in Infrastructure as Code (IaC) tools like AWS Cloud Formation and Terraform, focusing on performance optimization and cost management for scalable cloud solutions.

EDUCATION

Master's in Business Analytics   **Aug 2021 – May 2023**
California State University, East Bay, CA

Bachelor of Technology in Electronics and Communication Engineering   **Aug 2017 – May 2021**
Jawaharlal Nehru Technological University, Hyderabad, India

AWS Certified Solutions Architect – Associate, Amazon Web Services