Shruti Sasi

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.NET Developer

Seasoned IT professional with 13+ years of global experience in **.Net development** and **business intelligence (BI) development**. Proven expertise in **data analytics**, **database management**, **SQL querying**, **ETL tools** and **C#.Net**. Adept at designing and implementing robust, high-quality value-driven data solutions to support business decision making and drive customer-centric products and features.

SKILLS AND STRENGTHS

- **Frontend and Backend development:** C# .NET Framework 4.6, Design patterns (Factory, Observer), WCF, Entity Framework, SharePoint custom webparts, Web API development (REST API, SOAP API), NMS ActiveMQ, XSLT, XML, JSON, JavaScript, HTML, CSS, Bootstrap, Angular
- **DBMS, SQL Querying, Query optimization:** Oracle, Microsoft SQL Server, PostgreSQL, Toad SQL Optimizer for Oracle
- **Cloud Technology:** Amazon Web Services (AWS)
- **ETL:** Informatica PowerCenter, Microsoft SSIS
- **Data analysis, visualization and reporting tools:** Python (Pandas, BeautifulSoup, Numpy, Matplotlib), R Programming, BigQuery, Power BI, DAX query, Tableau, Microsoft SSRS, Grafana, Splunk, Toad Data Point
- **Testing:** Unit Testing (TDD using Nunit 3.6), Test Cases and reports, API Testing (SOAP UI, cURL), Software Quality Testing (HP Quality center)
- **Incident and Release Management:** ServiceNow, BMC Remedy
- **Version Control:** Git, Azure DevOps Server, Azure Repos, JFrog Artifactory
- **CI/CD build and management:** Azure DevOps, Jenkins
- **Others:** Windows PowerShell, Confluence, JIRA, SharePoint (2010,2013), MS Teams, Reusable artifacts (MS Visio, Draw.io), Impact Analysis, Root Cause Analysis, Project sizing and effort estimation, Detail Oriented Problem solving, Stakeholder engagement, Agile methodologies, Software Development Life Cycle (SDLC), Stonebranch

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EDUCATION

FULL STACK .NET CLOUD DEVELOPER PROGRAM
Humber College, Toronto, ON, Canada
2024 – Present

BACHELOR'S IN INFORMATION SCIENCE AND ENGINEERING
Visvesvaraya Technological University, Belgaum, India
2005 – 2009

EXPERIENCE

TECHNOLOGY LEAD – TRADING DATA ANALYTICS   *Oct 2020 - Mar 2023*
British Petroleum / Houston (TX), USA

- Developed web-based application using ASP.NET MVC 4.0, Bootstrap 4 (HTML, CSS, JavaScript) and Highcharts for graphical representation of market data in real time.
- Energy Markets Intelligence Platform: Built data scraping algorithms and automation scripts using C# and Python to gather market data for daily trading reports aiding traders and analysts with a holistic view of the commodity market.
- Developed data and ETL pipelines to ingest third party vendor market data to integrate with data warehouse and automate data intake requests on demand eliminating manual intervention.

- Worked with PowerBI, Excel add-ins, APIs (SOAP, REST), and reusable libraries to securely share reports and data with authenticated downstream systems.
- Designed optimized solutions using Ansible and Jenkins to automate cloud provisioning, configuration management, application deployment and intra-service orchestration in AWS, resulting in faster, error free and automated availability of resources.
- Led projects to migrate messaging from OpenShift 3.11 to RedHat OpenShift on AWS (ROSA) and application health monitoring from Splunk to Grafana ensuring cost savings, scalability and reliability.
- Demonstrated leadership by mentoring team members to develop their skills and confidence, promoting collaboration, while fostering a positive and supportive team environment.
- Handled various project initiatives in an Agile/Scrum environment – showcasing ability to adapt to changing priorities

TECHNOLOGY ANALYST –TRADING DATA ANALYTICS   *Jul 2015 – Sep 2020*
British Petroleum / Houston (TX), USA

- Developed proprietary in-house tools using Microsoft technologies (C# .NET Framework 4.6, VBScript) to automate performance and regression testing of data systems and applications. The test harness improved testing and operational efficiency by 85%.
- Led development and testing (including user acceptance testing) effort during migration of application to cloud (AWS) and database migration from Oracle to PostgreSQL. Conducted data integrity checks by creating SQL scripts to automatically identify and fix gaps.
- Contributed to project planning and estimation efforts for portal development, business requirements specification, impact analysis and TSDs, change and release management, knowledge management and user documentation.
- Supported Regulatory reporting and UAT coordination for quarterly Federal Energy Regulation commission (FERC), Dodd Frank, Portfolio reconciliation, Ownership & Control details for Commodity Futures trading commission (CFTC)
- Facilitated stakeholder meetings and acted as a liaison between business and development/data teams and provided support and creative solutions to other business units within the organization, resulting in improved collaboration, communication and development of efficient processes.

SYSTEMS ENGINEER   *Dec 2009 – Jun 2015*
Infosys / Bengaluru, India

- Developed SharePoint Forms Based Authentication portal and custom webparts for Portfolio Reconciliation under European Market Infrastructure Regulation.
- Web portal management and maintenance for Planning and Assurance under New Markets and services. Migration of web applications from MOSS to SharePoint 2010 for an Alternative Energy division of a global energy major.
- Worked on a large and complex platform upgrade project, aimed at migrating the entire Application Portfolio from MOSS to SharePoint 2010.
- Coordinated with functional consultants in analyzing technical specifications and feasibility, project scope, work-breakdown structures for all requirements and migration strategy.

CERTIFICATIONS
- PL-300 Microsoft Certified: Power BI Data Analyst Associate
- Google Data Analytics Professional Certificate
- Exam 488: Developing Microsoft SharePoint Server 2013 Core Solutions
- 576 PRO Designing and Developing Microsoft SharePoint 2010 Applications
- 573 TS Microsoft SharePoint 2010 Application Development

WORK AUTHORIZATION
- Canada (Permanent Resident)