HARIHARA SUBRAMANIAN

Senior Azure Data Engineer

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EDUCATION

Bachelor of Technology

Electronics & communication Engineering

Crescent Engineering College

May 2011 - June 2015

Chennai, India

Master of Science

Information & Communication Technology

VSB - Technical University

Feb 2017 - Jun 2020

Ostrava, Czech Republic

SKILLS

Programming

Python (Pandas, Numpy, streamlit, Matplotlib, Automations, API's)

Frontend (Reactjs)

Backend (Nodejs & Flask)

C#, VB.NET, VBScripts

Databases

CAREER OBJECTIVE

Aspire to reach my goal and attain a position as a **Solution Architect/Data Architect/Data Team Lead**, leveraging over 9 years of diverse experience in software development, DevOps, DataOps, business intelligence, and automation. With certifications in Microsoft Azure in Security, Data Engineering, Development, and Data Fundamentals, alongside deep proficiency in Azure DevOps and Agile methodologies, I am well-positioned to design, deploy, and optimize complex data and software architectures. My goal is to contribute to a dynamic team, driving innovation and organizational growth through technical expertise, strategic thinking, and leadership.

WORK EXPERIENCE

Senior Azure Data Engineer

Dynamic People B.V

Jul 2024 - current / Amsterdam, Netherlands

- **Azure ETL Solutions**: Develop complete ETL solutions within the Azure platform, ensuring smooth data processing and workflow efficiency.
- **SQL Scripting and Database Management**: Deploy and manage SQL scripts to create and maintain database schemas, functions, stored procedures, and views for efficient data handling.
- **Azure Function Apps for Data Integration**: Build Azure Function Apps in C# and Python to seamlessly integrate with Microsoft Business Central APIs, fetching data and deploying it into databases for detailed analysis.
- **Azure Synapse Pipelines**: Build and manage Azure Synapse pipelines, ensuring smooth and reliable ETL processes, seamless integration between Function Apps and databases, and effective monitoring of triggers and workflows.
- **Application Development for Data Engineering**: Lead the development of desktop and web applications using Python (backend) and HTML, CSS, JavaScript (frontend). These applications optimize day-to-day data operations and reduce manual work for clients.

Senior Full Stack Developer

Anheuser-Busch(ABinBEV)

Jul 2022 - Dec 2023 / Prague, Czech Republic

- **Lead Progressive Web Application Development** : Led development of 2 intricate web apps with React, Node, and Flask, ensuring high functionality and a 100% user engagement increase.

Azure Databricks
Azure SQL
Oracle
NoSql
Azure Data Lake

Cloud
Microsoft Azure DevOps
Google Cloud
Firebase

Data Visualization/Analytics
Power BI
MS Excel

CERTIFICATIONS

ACHIEVEMENTS

Top-Performer Award : Slashed 160 work hours in Logistics Domestic through advanced VBA and Python automation.

Beer Shot Award : Excelled in critical situations, swiftly resolving challenges with Databricks, and restoring Webapp operations with exceptional ownership.

- **Full Stack Expertise** : Led the end-to-end development and maintenance of 2 web applications, databases, and APIs, resulting in 95% fewer integration issues and 100% better performance optimization.
- **DevOps Management** : Manage CI/CD pipelines in Azure DevOps, ensuring efficient, automated, and error-free deployment processes.
- **Data Transformation and Automation** : Harness Python scripts to deploy data transformations and automate workflows within Azure Functions and Azure Databricks Pipelines. This includes data extraction, manipulation, transformation, and loading into SQL databases, as well as in-depth data analysis using Python libraries such as Pandas and Numpy.
- **Data Engineering Proficiency** : Utilize a range of data engineering skills to execute ETL jobs, employing python and SQL to create efficient SQL stored procedures, views and automated data processes.
- **Azure Cloud Expertise** : Leverage Azure cloud services to architect, build and maintain CI/CD pipelines, ensuring the seamless deployment and management of web applications.
- **Azure functions Wizardry** : Implement Azure functions, including timer and http triggers, resulting in 99% streamlined data automations and API integrations, improving critical business processes.

Business Intelligence Expert

Anheuser-Busch(ABinBEV)

Aug 2019 - Jul 2022 / Prague, Czech Republic

- **Strategic Data Gathering** : Excel in collecting business requirements from stakeholders, aligning with KPIs, and organizational goals
- **Advanced Data Modeling** : Leveraging proficiency in Python, with a strong focus on Pandas and NumPy libraries, crafting predictive data models that provide actionable insights and recommendations.
- **ETL Mastery** : Designing, implementing, and maintaining a robust Extract, Transform, Load (ETL) process that transfers data from diverse sources, including SAP GUI, Oracle, MS SharePoint, and Databricks into a centralized data warehouse (Azure SQL Server), using a combination of Python and VBScripts to streamline data integration.
- **SQL Database Management** : Expertise extending to managing and optimizing SQL databases, adept at crafting complex queries, stored procedures, and views, ensuring data retrieval efficiency.
- **Visual Insights** : Skilled in crafting Power BI dashboards and reports, simplifying complex data for informed decisions.

Process Specialist

Infosys BPO s.r.o

May 2017 - Jun 2019 / Brno, Czech Republic

- **Document Preparation** : Expert in creating accurate business documents with careful validation.
- **Technical Troubleshooting** : Adept at resolving issues with client trade messages in CSV and FPML formats.
- **Client Solutions** : Skilled in enhancing client experiences through teamwork with application development teams.