HARIHARA SUBRAMANIAN

Senior Python Data Consultant

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🌐 https://digihari-1017600624246.europe-west3.run.app/

WORK EXPERIENCE

Senior Python Data Consultant

Ebicus Group B.V

📅 Jan 2025 - current 　📍 Amsterdam, North Holland, Netherland

- Tools used : Azure Functions, Python, Javascript, HTML/CSS, Azure DevOps CI/CD, Databricks
- Develop end-to-end data solutions using Azure, focusing on seamless integration and optimized workflows.
- Developed reusable Python scripts to automate ETL processes, increasing data processing speed by 30% and reducing manual effort by 50%.
- Designed and implemented Azure Functions, streamlining ETL operations and reducing processing costs by 25% while increasing throughput by 40%.
- Developed Python scripts and Jupyter notebooks in Databricks for real-time ETL processes, loading data into SQL efficiently.
- Engineered a web-based ETL monitoring tool, enhancing data quality enforcement and achieving 40% faster performance reports.
- Implemented scalable data solutions using Azure services, reducing processing time by 30% for over 1 million data records.

Senior Azure Data Engineer

Dynamic People B.V

📅 Jun 2024 - Dec 2024 　📍 Amsterdam, North Holland, Netherlands

- Tools Used : Azure Functions, SQL, Python, Synapse, ETL, Power BI, Azure DevOps, PySpark, Databricks
- Built and optimized Python-based ETL workflows to extract data from Microsoft Business Central Harbor and asynchronously load into SQL via Azure Functions and Databricks.

CAREER OBJECTIVE

Aspire to reach my goal and attain a position as a Solution Architect/Data Architect/Data Team Lead, leveraging over 10 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.

EDUCATION

Master of science

Information & communication Technology

VSB-Technical University of Ostrava

📅 Jan 2017 - June 2020

📍 Ostrava, Czech Republic

- Developed and managed SQL schemas, stored procedures, and views to ensure data consistency and high performance.
- Automated end-to-end data pipelines using Azure Synapse, Databricks, and PySpark, integrating data from multiple sources and triggering Power BI refreshes.
- Improved data processing tasks with PySpark on Databricks for large-scale parallel execution and complex transformations.
- Designed CI/CD pipelines in Azure DevOps for seamless deployment and version control of Synapse and Databricks resources.
- Enhanced pipeline performance by implementing partitioning strategies and parallel execution in both Synapse and Databricks environments.
- Integrated Azure Functions with Synapse and Databricks to automate asynchronous data generation and processing workflows.

Senior Full Stack Developer

Anheuser-Busch(ABinBev)

📅 Jun 2022 - Dec 2023   📍 Prague, Czech Republic

- Tools: Reactjs, Node.js, Flask, Python, Azure Functions, Azure DevOps, Databricks, Azure SQL
- Built two web apps with Reactjs, Node.js, and Flask, increasing user engagement by 100% and reducing integration issues by 95%.
- Designed end-to-end solutions for API on the Backend and database integration, enhancing performance.
- Managed CI/CD pipelines in Azure DevOps for seamless deployments.
- Automated ETL workflows with Python, Azure Functions, and Databricks, optimizing SQL data operation
- Created stored procedures, views, and automated ETL jobs for efficient data handling
- Deployed Azure Functions with HTTP and timer triggers, achieving 99% automation efficiency

Senior Azure BI Developer

Anheuser-Busch(ABinBev)

📅 Aug 2019 - Jun 2022   📍 Prague, Czech Republic

- **Tools Used:** Python, Pandas, NumPy, VBScript, SQL, Azure SQL Server, Power BI, SAP GUI, Oracle, MS SharePoint, Databricks
- Aligned data initiatives with business KPIs and strategic goals, driving measurable improvements in operational efficiency.
- Implemented advanced data transformations using Python, Pandas, and NumPy, boosting data processing efficiency by 30%.

Bachelor of Technology

Electronics & communication Engineering

B.S Abdur Rahman University

📅 May 2011 - May 2015

📍 Chennai, India

SKILLS

Programming

- Python
- JavaScript (React.js, Node.js)
- C#
- VBS

Databases & Data Engineering

- Azure Synapse Analytics (Data Warehousing, Serverless SQL)
- Azure SQL Server
- PostgreSQL
- MongoDB
- Oracle
- Databricks (PySpark)

Data Processing & Analytics

- Data Warehousing (Star Schema, Snowflake Schema)
- Power BI (DAX, Data Modelling)

Cloud & DevOps

- Azure (Azure Functions, Azure DevOps & Azure Data Factory, Azure Storage, Azure app services, API's)
- Docker & CI/CD (Github Actions)
- Google Cloud (Cloud Functions, Cloud Run)
- Firebase (Firestore, Authentication)
- AWS(Lambda, S3)

- Automated ETL workflows with Python and VBScript, reducing manual intervention and improving system reliability by 40%.
- Optimized SQL databases by creating complex queries, stored procedures, and views, improving query execution times by 25%.
- Designed interactive dashboards with Power BI and Python Streamlit, delivering actionable insights and enabling data-backed decisions for leadership.

Process Specialist

Infosys BPO s.r.o

📅 Jun 2017 - Jul 2019   📍 Brno, Czech Republic

- Tools Used: FPML, CSV, Excel, Custom Applications
- Created accurate business documents with rigorous validation processes to ensure data integrity.
- Resolved issues related to client trade messages in CSV and FPML formats, ensuring seamless processing and compliance.
- Enhanced client satisfaction by collaborating with application development teams to identify and implement tailored solutions.

Software Engineer

Syntel(ATOS)

📅 Sep 2015 - Jan 2017   📍 Chennai, India

- **Tools Used:** Excel Macros, VBScript, Python, JavaScript, HTML/CSS
- Designed and developed a web application using HTML/CSS for the frontend and Python for the backend, streamlining trade message integration into the RKS system.
- Automated reconciliation processes using Excel macros and integrated solutions within MS Access, increasing efficiency by 35%.
- Conducted manual and automated testing to ensure system accuracy, reliability, and performance.
- Enhanced system scalability and performance through optimization initiatives, improving processing speeds by 20%.
- Provided post-deployment support, resolving issues to ensure 99.9% system uptime.

CERTIFICATIONS

- Azure security Engineer Associate - Issued Aug 2024, Credential ID C42DCF4527CD1325
- Azure Data Engineer Associate - Issued Jul 2023, Credential ID 48B05988B7337C45
- Azure Developer Associate - Issued Feb 2023, Credential ID 3178BE652FCBDDB8
- Azure Data Fundamentals - Issued Jun 2022, Credential ID 3B89D50D5795920B