ROHAN ASHISH R

Full Stack Developer, 4+ years experience
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Full Stack Developer with 4 years of experience working across Python, React, SQL, and cloud based data solutions. I specialize in building scalable applications and automating data workflows using Python, Django, SQL, Pandas, Power BI, and advanced Excel. I have hands-on experience with cloud platforms like AWS (Glue, EMR, Lambda) and Azure (ADF, Synapse, Databricks), along with DevOps tools such as Git, Docker, Kubernetes, and CI CD pipelines. I work confidently across REST APIs, MongoDB, PostgreSQL, Hive SQL, and SQL Server for backend and data processing tasks. I also leverage GenAI, Copilot, KNIME, RapidMiner, and H2O.ai for analytics and automation. My expertise lies in transforming raw data into meaningful insights, improving customer acquisition, and enabling data driven decision-making. I am passionate about solving business problems through clean architecture, automation, and AI powered solutions.

INDUSTRIES: Software and Platforms

TECHNICAL SKILLS

• Python	4 years
• SQL	4 years
• Flask	4 years
• Github	4 years
• Context API	4 years
• Redux	4 years
• API Integration	4 years
• CSS	4 years
• HTML	4 years
• TypeScript	4 years
• JavaScript	4 years
• React.Js	4 years
• React	4 years
• Django	3 years
• FastAPI	2 years

SOFT SKILLS

Communication, Critical thinking

PROJECT DETAILS

• Business Performance Enhancement

Project Description: In this role, I significantly enhanced business performance by developing data-driven solutions focused on improving efficiency and productivity. Key achievements include boosting report accessibility, automating data processes, and improving data accuracy and process efficiency.
Responsibilities: Business Intelligence & Dashboards: Designed and maintained Power BI dashboards with JavaScript-based custom visuals, improving report accessibility by 40% and enabling interactive data exploration for stakeholders. Data Automation & AI Integration: Automated data processes using SQL, Python (Pandas, NumPy, Matplotlib), and JavaScript, reducing manual effort by 30%. Integrated Generative AI (Azure OpenAI) to automate narrative report generation and enhance data storytelling. AI-Enhanced Data Analysis: Applied Large Language Models (LLMs) and Retrieval-Augmented Generation (RAG) to analyze structured and unstructured datasets, delivering context-rich insights that improved decision-making accuracy by 25%. Custom Solutions & Productivity Boost: Built Gen AI-powered query assistance tools within dashboards, increasing marketing team productivity by 15% through faster data retrieval and real-time insights. Data Quality & Performance Optimization: Collaborated with data engineering teams to ensure data integrity, optimize query performance by 20%, and deploy AI-based anomaly detection for proactive data quality monitoring.
Technologies: Power BI, SQL, Python , JavaScript (ES6+), Python, React
Industry: Software and Platforms

• Clinical Trial Operations Software

Project Description: As an Associate Software Engineer at Bioclinica, I contributed to the development and maintenance of software solutions for clinical trial operations. My role involved ensuring data integrity and compliance, enhancing process efficiency, and collaborating with multinational teams to automate ETL processes
Responsibilities: Agile Training: Trained in an Agile environment with Scrum, enhancing teamwork, adaptability, and iterative delivery for AI and software development projects. Software Development: Built CRUD-based software solutions for clinical trial operations using Python, Java, JavaScript (ES6+), React and SQL queries, ensuring data integrity, compliance, and scalability. AI-Enhanced Data Analysis: Conducted advanced data analysis using Python (Pandas, NumPy, Matplotlib) and integrated Generative AI, Large Language Models (LLMs), and Retrieval-Augmented Generation (RAG) to extract actionable insights from unstructured trial data, increasing accuracy and efficiency by 25 percentage. SDLC Contribution: Participated in all phases of the Software Development Life Cycle (SDLC) including requirement analysis, coding, testing, and deployment while integrating AI-driven automation to accelerate feature delivery. ETL Process Automation: Collaborated with multinational teams to design and automate ETL processes using Python scripting and AI based validation, reducing errors by 15 and improving process reliability.
Technologies: Python, Java, JavaScript (ES6+), React, SQL, API integrations
Industry: Software and Platforms

• Continuous Cloud Optimization

Project Description: Developed and designed over 10 Power BI Desktop reports to visualize and analyze more than 100 Azure resources and infrastructure. The project involved integrating data from multiple Azure REST APIs to provide insights that optimized cloud resources, reduced costs, and improved operational efficiency. Enhanced visibility for informed decision-making and efficient resource management.

Responsibilities: Report Development: Designed and developed 10+ Power BI Desktop reports to visualize and analyze Azure resources and infrastructure, incorporating JavaScript-based custom visuals for interactive dashboards. Data Integration: Utilized Power Query M language and DAX to integrate data from 10+ Azure REST APIs, and enhanced reporting workflows using Azure OpenAI and Retrieval-Augmented Generation (RAG) for automated insights. Cost Optimization: Leveraged AI-driven analysis, including Large Language Models (LLMs), to identify optimization opportunities, reducing cloud resource costs by 15%. Efficiency Improvement: Applied predictive analytics and Generative AI to forecast trends and improve operational efficiency by 20%. Enhanced Visibility: Combined Power BI dashboards with Gen AI-based narrative summaries for clearer decision-making and more effective resource management. Code Contribution Analysis: Analyzed Azure DevOps and GitHub code contribution patterns using Python, JavaScript, and AI-assisted analytics to optimize resource allocation.

Technologies: JavaScript (ES6+), Python, React, Azure DevOps, GitHub, Azure REST APIs,

Industry: Software and Platforms

EDUCATION

• Bachelors degree in B Tech from New Horizon College of Engineering 2018 - 2021

LANGUAGES

• English - advanced

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