



ROYSTON JOSHUA DSOUZA

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PROFESSIONAL SUMMARY

Hardworking and detail-oriented Software Developer & Analyst with 3+ years of experience in C#, .NET Core, SQL Server, Python, and machine learning. Proven expertise in data analysis, system optimization, business intelligence solutions, and R&D project management. Adept at working in Agile environments, translating complex business requirements into secure, scalable, and efficient software solutions, and leveraging Power BI to deliver actionable insights that drive informed business decisions.

WORK EXPERIENCE

Accolade Tech Solutions Pvt Ltd

September 2023 – Present

Software Developer

- Optimized SQL Server databases to efficiently handle large-scale financial data, ensuring accurate reporting and faster data retrieval.
- Automated financial processes such as interest calculations for fixed deposits, mutual funds, and portfolio returns, enhancing accuracy and reducing manual effort.
- Developed risk profiling and investment advisory tools using C# logic to assess customer behavior and recommend suitable financial products based on scoring models.
- Utilized Python and SQL for data processing, analysis, and reporting to support operational and clinical decision-making.
- Managed R&D projects in machine learning and data science, driving innovative solutions and advancing technological capabilities.
- Developed and maintained scalable data ingestion, analysis, and reporting pipelines for clinical and business datasets, ensuring data integrity and reliability.
- Designed scalable data models and conceptual data flows aligned with evolving business requirements.
- Organized and conducted workshops on Exploratory Data Analysis, data visualization, and machine learning for final-year data science students, enhancing their practical skills and industry readiness.

Niveus Solutions Pvt. Ltd

June 2022 – August 2023

Software Developer

- Processed and analyzed large structured and unstructured datasets using Python (Pandas, NumPy) and SQL for operational and clinical dashboards used by stakeholders.
- Built automated ETL pipelines using Python scripts and SQL procedures to collect, clean, transform, and load data from multiple sources into reporting databases.

- Built internal web applications with C#, .NET Core, and ASP.NET MVC to automate routine tasks and show key business metrics.
 - Created RESTful APIs and backend features for finance and HR tools to improve work efficiency.
 - Connected SQL Server databases to .NET apps using Entity Framework Core for real-time data access and reporting.
 - Used object-oriented programming and SOLID design principles to write clean, modular, and easy-to-maintain code.
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SKILLS

- **Languages:** C#, Python, SQL
 - **Databases:** SQL Server, MySQL
 - **Web Technologies:** HTML, CSS, Razor Pages
 - **Data & Reporting Tools:** Power BI, Excel, PowerPoint, Word
 - **Frameworks/Platforms:** .NET Core, ASP.NET MVC, Entity Framework Core
 - **Tools & IDEs:** Git, Postman, PyCharm, Jupyter Notebook, Visual Studio Code
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EDUCATION

Master of Science in Computer Science (Remote)	2021 - 2023
Mangalore University, Mangalore	
Bachelor of Science in Computer Science	2018 - 2021
St Aloysius (Deemed to be University), Mangalore	

PROJECTS

Investment Portfolio Management System

- Developed a web-based application to manage customer investments, including fixed deposits (FDs), mutual funds, risk profiling, and return tracking.
- Integrated customer data from SQL Server and implemented business logic for accurate return calculations and comprehensive financial reporting.

Stock Market Analysis & Prediction

- Developed a machine learning model to predict next-day stock prices using real-time candlestick data.
 - Designed interactive dashboards to visualize financial data and provide portfolio summaries for easy access and analysis.
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PERSONAL DETAILS

- **Nationality:** Indian
- **Date of Birth:** August 2, 2000
- **Languages :** English, Hindi, Kannada
- **Interests:** Stock Trading, Market Research, Business Analysis