Sai Koteswara Rao Nallamothu

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in Sai Koteswara Rao Nallamothu   ⚙ Koti2199

Professional Summary

A passionate and competent .NET full-stack developer with over 4 years of experience in all phases of the Software Development Life Cycle (SDLC), including requirement gathering, design, development, testing, packaging, and deployment of web and windows applications, with experience in Microsoft technologies such as C#, ASP.NET, ADO.NET, MVC, MS SQL Server, Entity Framework, and web services.

Technical Skills

- Programming Languages: C#, VB .Net,Java, JavaScript,jQuery,Python, C++, and C.
- .Net Technologies : .Net Framework, ASP .Net Core Web API, ASP .Net Core Web App, ASP .Net MVC 4/5, ASP .Net Web Forms, ADO .Net, MVC,Web Services,LINQ,Entity Framework core, Microservices, and WCF.
- Databases: MS SQL Server, MySQL, and Oracle Sql.
- Web Technologies: HTML5, CSS3, Java Script, Bootstrap, Ajax, jQuery,React,Blazor, AngularJS, and Angular.
- Web Servers: IIS 7.0/8.0/10.0
- Development Tools: Visual Studio (2012, 2015, 2017, 2019, 2022), SQL Server Management Studio, Visual Studio Code, Jupyter Notebook, Eclipse, and Google Colab.
- Tools: SQL Server Integration System(SSIS), and SQL Server Reporting System (SSRS).

Experience

Sr. Systems Engineer   Hyderabad, India
Infosys Pvt Ltd   Nov 2021 – Jul 2023

- Built and supported web applications using ASP.NET, SQL Server, JavaScript, jQuery, HTML, and CSS, focusing on reliability and ease of use.
- Developed stored procedures, views, and user-defined functions in SQL Server, helping reduce database response times.
- Unit testing, debugging, and logs were handled to identify and fix issues during development and after deployment.
- Implemented server load balancing using Azure Load Balancer to ensure high availability, scalability, and fault tolerance across web applications.
- Configured authentication mechanisms and enforced access control policies using built-in .NET security features.
- Improved system performance by around 15% through better SQL query design and indexing.
- Automated business email notifications triggered by transaction status updates using SSIS (SQL Server Integration Services).
- Worked through all parts of the Software Development Life Cycle (SDLC), including planning, coding, testing, and maintenance.
- Took part in SCRUM team activities like sprint planning and daily meetings to stay on track with development goals.
- Moved applications between servers and updated source code to latest versions without interrupting business operations and workflow.
- Used Crystal Reports to generate reports for HR teams based on business data.
- Worked directly with users and clients to fix application issues and update features based on their feedback.
- Supported over 10 different applications, keeping them updated and solving technical issues when needed.
- Updated older systems to current platforms, making sure data stayed safe and apps stayed online during the switch.
- **Environment and Tools:** Visual Studio (2012, 2015, 2017, 2019, 2022) , SQL Server Management Studio (SSMS), SQL Server Integration Services (SSIS),Git, IIS, ASP.NET Web Forms, JavaScript, jQuery, HTML5, CSS3, C#, Windows Server, Crystal Reports.

Software Engineer   Hyderabad, India

Wipro Ltd   Jun 2019 – Nov 2021

- Designed and built internal applications to streamline financial processes using ASP.NET Core MVC and C#.
- Created and maintained SQL Server databases, including stored procedures, views, and triggers, to support day-to-day business operations.
- Developed REST APIs to connect internal systems and third-party platforms, improving data flow and automation.
- Added role-based access and form validation features to ensure the security and reliability of applications.
- Improved overall performance by optimizing SQL queries and API logic, reducing load times and improving user experience.
- Set up automated workflows using GitHub Actions to handle builds, run tests, and deploy code with fewer errors.
- Found and fixed bugs during testing phases (SIT and UAT), helping to reduce problems after release.
- Handled deployments to IIS servers and made sure all documentation was up to date for future releases and rollbacks.
- Worked as part of an Agile team, attending stand-ups, planning meetings, and retrospectives to stay aligned and meet goals.
- **Tools and Technologies:** Visual Studio (2017, 2019), SQL Server, Postman, Git, GitHub Actions, IIS, Windows Server, ASP.NET Core MVC, Entity Framework, REST APIs, JavaScript, C#.

Projects

Intelligent Medical Blog Generation and Classification   click here ↗

- Developed a Medical Text Analyzer that leverages NLP techniques to extract and summarize key clinical insights from unstructured medical texts, enhancing diagnostic understanding and knowledge retrieval.
- Tools Used: Python, NLTK, SpaCy, Scikit-learn, Transformers (BERT), Streamlit, GitHub

EcoCast-ML-ARIMA-Based-GDP-Forecasting   click here ↗

- Designed and implemented EcoCast, a hybrid forecasting model combining ARIMA and machine learning techniques to accurately predict GDP trends using macroeconomic indicators.
- Tools Used: Python, Pandas, NumPy, Scikit-learn, Statsmodels (ARIMA), Matplotlib, Seaborn, Jupyter Notebook, GitHub

Traffic Flow Prediction System using LSTM   click here ↗

- Built a deep learning model using LSTM to forecast hourly traffic volume based on historical traffic and weather data, enabling smarter urban planning and congestion management.
- Tools Used: Python, TensorFlow, Keras, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebook, GitHub

Education

University of North Texas   MS in Computer
                                                                                          Engineering

- GPA: 4.0/4.0
- **Coursework:** Machine Learning, Artificial Intelligence, Natural Language Processing, Empirical Analysis, Big Data Processing, Data Mining, Pattern Recognition, Scientific Data Visualization, Fundamentals of Database Systems, Distributed and Parallel Database Systems.

Achievements

UNT Engineering Recognition for Academic Excellence   click here ↗

- Recognized by the University of North Texas College of Engineering in Spring 2025 for outstanding academic performance and contributions to engineering innovation and leadership.