Application development / Product Lead
BI Developer with Web and Windows development experience

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CAREER OBJECTIVE

To obtain a rewarding work environment which will motivate me towards self-learning of new technologies and hence the upliftment of the company.

PROFESSIONAL SUMMARY

- Over a decade of expertise in software development, specializing in SQL, SSRS, web, and Windows application development.
- Proficient in SQL, designing and optimizing complex queries, and developing robust databases for streamlined business operations.
- Expertise in SQL Server Reporting Services (SSRS), creating detailed, insightful reports to support decision-making processes.
- Well-versed in both front-end and back-end technologies, delivering complete solutions that meet business requirements.
- Strong background in building scalable, efficient, and secure web and Windows applications tailored to client needs.
- Successfully designed and implemented applications and databases to automate and enhance business processes.
- Proven ability to develop scalable solutions that support growing business demands while maintaining high performance.
- Expertise in delivering high-performance solutions with a focus on reliability, speed, and efficiency.
- Skilled in integrating data from various sources to provide cohesive solutions that meet business requirements.
- Adept at working with diverse teams, ensuring smooth communication and project progress.
- Effective at collaborating with end-users to understand their needs, ensuring the final product meets or exceeds expectations.
- Consistently delivers projects on time and within budget, meeting all milestones and requirements.
- Strong analytical skills to troubleshoot, optimize, and resolve complex technical issues in development and deployment.
- Familiar with Agile development practices, ensuring flexibility and iterative improvements throughout project lifecycles.
- Committed to staying up-to-date with emerging technologies and trends to continuously improve skills and deliver modern, innovative solutions.

#### **CORE COMPETENCIES**

- Languages: C#, SQL, PHP
- Databases: SQL Server, MySQL, MongoDB, NoSQL
- Business Intelligence: Power BI, Tableau, SSIS, SSRS
- Web Technologies: ASP.NET Core Web API
- Windows Application Development (WinForms, WPF, WCF)
- Machine Learning: Python (ML exposure)
- Project Management: Team leadership, project in-charge, client handling
- Industries: Healthcare, Finance, Manufacturing, Insurance, Resorts
- Integration: Third-party application integration, APIs
- DB Configuration, Replication
- Performance Tuning and Query Optimization
- Version Control (Git, SVN) and Agile Methodologies (Scrum)
- Exposure in Data Modelling, ETL Processes, and Data Warehousing, Data Engineering, SSIS
- System Analysis, Design, and Software Architecture

#### PROFESSIONAL EXPERIENCE

#### Millenium Intech, Chennai • Associate manager

09/2022 - 12/2024

- Responsible for the project coordination with client and stake holders
- Individually owned the Database management and architect.
- Managed team, development and deliverables.

#### **Sterling Holiday Resorts Limited**, Chennai • Senior manager Information systems

03/2022 - 08/2022

- Responsible for the development and maintenance of in-house applications and databases across all sites in India.
- Individually owned the sales process digitization project for Sterling membership.
- ASP.Net Core, MVC, Web API, Digio Platform were the tools utilized for the sales process digitization project (6 Months).

# Karya Technologies private ltd, Chennai • Lead programmer analyst

11/2021 - 03/2022

Played a vital role in developing and maintaining ETL processes using SQL Server Integration Services (SSIS) to support data integration and migration projects.

- Managed the development of APIs for data integration between internal systems and external clients.
- Enhanced data reporting capabilities with SQL and Web API integration

Led design, development, and maintenance of architectural integration, reporting solutions for the Hospital information management system. Delivered best-in-class technology solutions to end-users ensuring compliance with client's change management processes and procedures.

- Created, updated, configured, and managed several Microsoft SQL Server Environments. Oversaw the
  implementation, configuration, security, maintenance, and performance of SQL Server RDBMS systems as well
  as enterprise applications.
- Develop, test, and deploy SSRS reports to meet business intelligence needs, improving data visibility for HIMS.
- Collaborate with business analysts and end-users to gather reporting requirements, ensuring clarity and precision in report outputs.
- Provide optimization for SQL queries, improving performance by 20% on average across multiple applications.
- Oversee integration of new reporting solutions with existing systems, streamlining data processing and reducing manual reporting tasks by 30%.
- Mentor junior developers on best practices in SQL programming and report development.
- Maintained SQL Server database objects and performed data loads, troubleshooting, database backup, and recovery while supporting onsite applications.
- Served as a point of contact for customers from design requirements, development, testing, implementation, go-live/post-go-live support, and long-term retention of customers.
- Integrated DBMS(s) and data with the existing application software, websites, portals, and storage devices/business applications.
- Gathered and documented complex stakeholder requirements to create test plans to validate the development needs.
- Mentored and trained team members on development, debugging and documentation of root cause analysis and resolution.
- Ensured inclusion of SQL queries, session tracking programs, and data analytics Projects

# worked (Onsite)

- 1. Penang Adventist Hospital Malaysia.
- 2. Sunmed Hospital Malaysia.
- 3. Tungshin Hospital Malaysia.
- 4. Beacon Hospitals, Malaysia.
- 5. CSMC Hospital Philippines.
- 6. Rainbow Hospitals, Hyderabad.
- 7. MIOT Hospitals, Chennai

# Integrity Solutions Private Ltd, Chennai • Senior Programmer

07/2007 - 02/2013

- Developed web and Windows-based applications for the manufacturing and cash management domains using C#.NET, PHP, SQL, and MySQL.
- Managed small development teams and provided technical leadership during the project life cycle.
- Created and maintained data-driven applications for better operational management in the manufacturing sector.

EDUCATION		
EPGPDS • IIIT, Chennai(online)		Graduation Year (2022)
B.E CSE • PSR Engineering Coll	ege, Sivakasi.	Graduation Year (2006)

#### **PROIECT**

EDITOATION

### Project 1: Millenium Intech - SSIS AND SQL AND ASP.NET CORE WEB API

### Description

Project using SSIS, SQL, and ASP.NET Core Web API integrates data management, processing, and web service capabilities. SSIS handles ETL tasks to import and transform data into SQL Server, ensuring high-quality, structured data. SQL manages the database with queries, stored procedures, and efficient data storage. ASP.NET Core Web API provides secure, RESTful endpoints for client applications to interact with the database and access business logic. This architecture supports seamless data integration, secure API access, and high performance for web and mobile applications.

- Lead and coordinate the project from initiation to completion.
- Manage team resources, deadlines, and deliverables.
- Communicate project progress to stakeholders and resolve any issues.
- Design, implement, and maintain ETL processes for data extraction, transformation, and loading.
- Monitor and optimize SSIS packages for performance.
- Integrate data from multiple sources into SQL Server.
- Manage and optimize SQL Server databases, ensuring performance and security.
- Implement database backups, restore procedures, and disaster recovery plans.
- Monitor and fine-tune database performance for optimal speed.
- Develop and maintain RESTful APIs using ASP.NET Core to interact with the database.
- Implement security measures such as authentication and authorization for API endpoints.
- Ensure API scalability and performance under heavy load.
- Develop user interfaces that communicate with the API to display data.
- Ensure responsive design and cross-platform functionality.
- Collaborate with backend developers to ensure data flows seamlessly between client and server.
- Gather requirements from stakeholders and translate them into technical specifications.
- Analyse business processes and recommend improvements based on data insights.
- Ensure that project objectives align with business goals.
- Design and execute test cases to ensure that the ETL process, SQL queries, and Web APIs function correctly.
- Conduct load and stress testing to check system scalability and performance.
- Identify and resolve issues found during testing phases.
- Implement security protocols to protect database and API data.
- Conduct regular vulnerability assessments and penetration tests.
- Ensure encryption for sensitive data in transit and at rest.
- Set up and maintain CI/CD pipelines for automated deployments.

- Manage infrastructure and ensure it is configured for high availability and scalability.
- Monitor application and database performance in production.
- Design the overall architecture of the system, ensuring that SSIS, SQL, and ASP.NET Core components integrate seamlessly.
- Define best practices for scalability, security, and performance.
- Provide technical guidance to the development and operations teams.
- Build and maintain data pipelines using SSIS to move and transform data.
- Ensure data quality, integrity, and efficient storage.
- Optimize data transformations to handle large volumes of data.
- Monitor and optimize the performance of SQL queries, ETL processes, and API responses.
- Identify bottlenecks and recommend improvements to increase system efficiency.
- Conduct performance benchmarking and tuning.
- Develop and optimize SQL queries, stored procedures, and functions to handle complex data operations.
- Implement database design and ensure normalization for efficient data access.
- Troubleshoot and resolve any database-related issues.
- Design user-friendly interfaces that facilitate seamless interaction with data.
- Work closely with frontend developers to ensure that the user experience aligns with business goals.
- Conduct usability tests and refine the design based on feedback.
- Define project scope, goals, and product features.
- Prioritize features based on business value and user needs.
- Ensure that the team delivers the right functionality to meet user expectations.
- Manage cloud infrastructure and resources for hosting the SQL Server and ASP.NET Core Web API.
- Ensure that cloud services are properly scaled to meet demand.
- Implement cost-effective cloud strategies for deployment and data storage.
- Provide post-deployment support and troubleshooting for the database and API.
- Handle production issues, investigate root causes, and ensure quick resolutions.
- Ensure continuous system monitoring to prevent downtimes.
- Document all system components, including SSIS packages, database schema, and API specifications.
- Write clear user manuals and API documentation for developers and end users.
- Create deployment guides and system operation documentation.
- Analyse data stored in SQL Server to provide actionable insights for business decision-making.
- Develop machine learning models or analytics dashboards to surface key trends.
- Collaborate with business stakeholders to identify useful metrics and KPIs.
- Monitor database access and ensure proper encryption and data protection practices.
- Enforce role-based access controls and secure database connections.
- Conduct regular security audits and maintain compliance with data protection regulations.

# Project 2: STERLING HOLIDAY - ASP.NET CORE, SSRS, SSIS, SQL, POWER BI AND DATABASE MANAGEMENT AND ARCHITECTURE

## Description

The Sterling Holiday project leverages a combination of ASP.NET Core, SSRS, SSIS, SQL, Power BI, and Database Management & Architecture to build a comprehensive data management solution. ASP.NET Core powers the backend, providing secure and scalable APIs to interact with the database. SSRS is used to generate interactive reports for business intelligence, while SSIS facilitates efficient ETL processes, integrating data from multiple sources into SQL Server. SQL handles the database management, ensuring high performance, data integrity, and query optimization. Power BI is used for creating visual dashboards and analytics, offering insights into business operations. The Database Management & Architecture ensures a well-structured, secure, and optimized system, supporting seamless data flow and performance across the entire platform. This integrated system enhances decision-making, reporting, and overall business efficiency for Sterling Holiday.

- Coordinate all project activities from planning to completion.
- Manage project timelines, resources, and deliverables.
- Communicate project status and risks to stakeholders.
- Design and develop secure, scalable RESTful APIs for data interaction.
- Implement authentication and authorization for secure access to the APIs.
- Ensure the backend API integrates seamlessly with the SQL Server database and other components.
- Develop and deploy interactive reports using SQL Server Reporting Services (SSRS).
- Collaborate with business analysts to design reports that provide actionable insights.
- Optimize reports for performance and usability.
- Design and implement ETL processes using SQL Server Integration Services (SSIS).
- Integrate data from multiple sources into the SQL Server database.
- Optimize SSIS packages for better performance and efficiency.
- Manage and optimize SQL Server databases for high performance and security.
- Implement and monitor database backup, recovery, and disaster recovery plans.
- Create and optimize stored procedures, functions, and queries for efficient data processing.
- Design and create interactive dashboards and reports using Power BI.
- Integrate Power BI with SQL Server to retrieve and visualize data.
- Work with stakeholders to deliver data-driven insights and performance metrics.
- Gather and analyse business requirements for reporting, data management, and system integration.
- Work with stakeholders to ensure that the technical solution meets business needs.
- Ensure that the data is structured and processed for accurate business insights.
- Design user-friendly interfaces for dashboards and web applications.
- Ensure responsive design for optimal viewing across devices.
- Work closely with the development team to ensure that the user experience aligns with project goals.
- Create and execute test plans to ensure the quality of the backend APIs, SSIS processes, SSRS reports, and Power BI reports.
- Perform load and performance testing on the database and APIs.
- Identify, report, and help resolve defects and issues during the testing process.
- Implement and manage security measures to protect the database and APIs.
- Conduct regular security assessments and penetration tests.
- Ensure the encryption of sensitive data both at rest and in transit.
- Design the overall system architecture to ensure seamless integration between ASP.NET Core, SSIS, SQL, SSRS, Power BI, and other components.
- Define best practices for scalability, performance, and security.
- Provide technical guidance to development and operations teams.
- Build and maintain efficient data pipelines for ETL processes using SSIS.
- Ensure the quality, integrity, and consistency of data within the system.
- Optimize data transformations and storage to handle large datasets effectively.
- Set up and manage CI/CD pipelines for automated deployment of the system.
- Ensure high availability and scalability of infrastructure in the cloud or on-premise.
- Monitor the production environment to ensure smooth performance and system uptime.
  Develop and optimize SQL queries, stored procedures, and views to meet the project's data requirements.
- Work with DBAs to ensure proper database design and optimization.
- Troubleshoot and resolve database-related issues.
- Manage the cloud infrastructure and resources needed to host the SQL Server, ASP.NET Core Web API, and other

- components.
- Ensure that cloud services are properly scaled to meet application demands.
- Implement cost-effective cloud strategies for deployment and storage.
- Provide post-deployment support for database, reports, and API-related issues.
- Troubleshoot and resolve any production issues that arise.
- Monitor the system to ensure that it remains fully operational.
- Define the vision, scope, and priorities of the project.
- Act as the point of contact between business stakeholders and the development team.
- Ensure the product meets business needs and delivers value to users.
- Document system architecture, database schemas, ETL processes, API specifications, and reports.
- Write clear user manuals and developer guides.
- Ensure all documentation is up-to-date and easily accessible for developers and end-users.
- Monitor the performance of SQL queries, reports, and APIs.
- Identify performance bottlenecks and recommend optimization strategies.
- Conduct regular performance benchmarking and tuning to maintain optimal system performance.

# Project 3: IQVIA - C#.NET SQL, SSRS, BI TOOLS, WPF, WCF AND WEB SERVICES AND DATABASE MANAGEMENT AND ARCHITECTURE

#### Description

IQVIA leverages advanced technologies like **C#.NET**, **SQL**, **SSRS**, **BI Tools**, **WPF**, **WCF**, **Web Services**, and **Database Management & Architecture** to provide innovative solutions in the healthcare and life sciences sectors. Using **C#.NET**, they develop scalable, enterprise-level applications tailored to client needs. **SQL** is employed to manage vast amounts of healthcare data, ensuring secure and efficient storage and retrieval. **SSRS** helps in creating interactive reports, offering valuable insights for decision-making. **BI Tools** like Power BI and Tableau are used to visualize and analyze complex data. **WPF** enables the creation of rich desktop applications with advanced UI features for healthcare professionals. **WCF** is utilized for secure, reliable communication between distributed systems. **Web Services** are implemented to facilitate integration between multiple systems and enable data exchange. Their **Database Management & Architecture** ensures high-performance, optimized systems capable of handling large datasets. Together, these technologies support IQVIA's mission to improve operational efficiency and decision-making in the healthcare industry.

- Develop scalable, enterprise-level applications using C#.NET to meet client-specific healthcare needs.
- Implement backend services using C#.NET to ensure smooth interaction with databases and external systems.
- Design and optimize SQL databases to handle large-scale healthcare data efficiently and securely.
- Use SSRS to create interactive and dynamic reports for data-driven insights and business decision-making.
- Leverage BI Tools like Power BI and Tableau to provide visual representations of complex healthcare data.
- Utilize WPF to create intuitive, user-friendly desktop applications that cater to healthcare professionals.
- Build and maintain WCF services for secure and reliable communication between distributed applications.
- Develop and implement Web Services to enable seamless data exchange and system integration.
- Write optimized SQL queries to improve performance and data retrieval speed from large datasets.
- Develop BI dashboards and reports that allow stakeholders to analyze and make informed decisions based on healthcare data.
- Implement security measures to protect sensitive healthcare data, ensuring HIPAA compliance and industrystandard best practices.
- Optimize the performance of both front-end and back-end components to ensure efficient data processing and application speed.
- Identify and resolve issues and bugs in applications, databases, and services to ensure smooth operation.
- Conduct unit testing, integration testing, and user acceptance testing (UAT) to ensure software quality and functionality.

- Use version control systems like Git to track code changes, collaborate with team members, and manage software releases.
- Participate in agile development cycles, working with cross-functional teams to deliver iterative software solutions.
- Collaborate with clients to understand their business needs and deliver customized software solutions that meet healthcare requirements.
- Handle the deployment of applications, ensuring proper configuration and smooth transition to production environments.
- Write clear and comprehensive documentation for code, systems, and workflows to ensure maintainability and knowledge sharing within teams.
- Stay updated with the latest industry trends, technologies, and best practices in healthcare software development and data management.

# Project 4: Integrity solutions - ASP AND C#.Net SQL, PHP AND MYSQL

#### Description

Integrity Solutions is a software development company that specializes in creating dynamic, scalable, and secure applications using technologies like ASP, C#.Net, SQL, PHP, and MySQL. These technologies enable the development of both web and enterprise applications. ASP is used for dynamic web pages, while C#.Net is leveraged for robust backend development and enterprise-level solutions. SQL and MySQL provide powerful database management capabilities for storing, querying, and manipulating data. PHP is used for server-side scripting, powering interactive websites and content management systems. Integrity Solutions focuses on developing secure, high-performance applications tailored to client needs. The company ensures scalability and optimization, making it suitable for both small businesses and large enterprises. It offers end-to-end solutions, from web development to database design and integration. With a commitment to integrity and quality, the company ensures seamless application functionality. Their expertise guarantees reliable, future-proof software systems for businesses across industries.

- Design and develop dynamic, responsive web applications using ASP, PHP, and other relevant technologies.
- Create robust backend solutions using C#.Net, ensuring efficient business logic, data processing, and integration with databases.
- Design, implement, and maintain databases using SQL and MySQL, ensuring data integrity, scalability, and performance.
- Optimize both front-end and back-end code for better performance, ensuring that applications are fast and efficient.
- Identify and fix bugs and issues in the application, ensuring smooth and error-free functionality.
- Implement security best practices to safeguard applications against vulnerabilities, including SQL injection, XSS, and other threats.
- Write unit tests, conduct integration testing, and participate in user acceptance testing (UAT) to ensure application quality and stability.
- Use version control tools like Git to manage and track code changes and ensure seamless collaboration across teams.
- Work closely with cross-functional teams (front-end developers, UI/UX designers, project managers) to meet client requirements.
- Communicate effectively with clients to understand their business needs and deliver customized software solutions.
- Handle the deployment of applications to production servers, ensuring smooth transitions from development to live environments.
- Set up monitoring tools to track application performance and address issues proactively.

- Write clear and detailed documentation for code, databases, and systems to ensure maintainability and ease of knowledge sharing.
- Stay updated with the latest industry trends, tools, and technologies to ensure that applications are built using modern best practices and innovative solutions.