J. Jerald Sahayaraj
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Summary:

Software engineering lead with 13 years of experience designing and developing web applications including back-end service integration, performance analysis and optimization, complex database models, and state-of-the-art graphical user interfaces. Experienced leading a technical team, working remotely and exceeding expectations.

Work Experience:

Lead Software Development Engineer   Oct 2020 - Feb 2025

Maveric Systems Limited, IN

Project# 1: EJADA ReconSS Banking Application | Duration : 17 months

Description:

EJADA ReconSS is a high-performance application for ATM and POS Reconciliation and Settlement specific to the needs of banks in Saudi Arabia. It helps banks with Reconciliation, Settlement, Clearing, Chargebacks and Claims Management of Cards, ATM and POS (Point of Sale) Transactions.

Responsibilities:

- Designed and implemented software modules and components using C# and ASP.NET
- Conducted code reviews and implemented best practices to ensure code quality and maintainability.
- Resolved complex technical issues and bugs through troubleshooting and debugging techniques.
- Create complex functions, scripts, stored procedures, and triggers to support application development.
- Extensively involved in writing database scripts
- Technical Design reviews and Code Reviews
- Event Handling, Logging, Batch checks for data accuracy
- Documented software design, architecture and technical specifications.
- Involving in the Deployment for the different environment
- Fixing all the bugs that may arise in QA/SIT/UAT and working on enhancements.

Project# 2: UNO CRM Application | Duration : 15 months

Description:

The UNO ONE Platform, serves as the bridge to many different departments from Human Channels to Banking Operations to KYC Operations to support and provide relevant information, automate processes, and offer tools to uncover insights. This application is used by the UNO Bank Operations team. User access management is enabled using Role-

based access control (RBAC) by assigning permissions to users based on their role within the organization.

UNO Digital Bank is Southeast Asia's first full-spectrum digital bank licensed under the Bangkok Central ng Philippines. UNO Digital Bank uses AWS for cloud, Mambu for core banking, HPS for credit-card processing and Oracle for reporting on anti-money laundering compliance.

Responsibilities:

- Design, develop, and implement database systems based on customer requirements using MySQL database.
- Prepare Data Model, design specifications, and functional documentation for assigned database projects. (Normalized database design to Demoralized database design)
- Identify any issues related to database performance and provide corrective measures.
- Create complex functions, scripts, stored procedures, and triggers to support application development.
- Extensively involved in writing database scripts
- Involving in the Deployment for the different environment
- Fixing all the bugs that may arise in QA/UAT and working on enhancements.

Project# 3: dotOPAL (Online Payment Link System) **|** Duration : 21 months

Description:

Managed dotOPAL (Online Payment Link System) application to process various products used by the Payments and Remittances team in Standard Chartered Bank (SCB) using .Net with C# and SQL Server. To handle dotOPAL application's core functionality is to process the incoming and outgoing telegraphic transfers and built innovative XML Web Services. Automated processes to resolve business challenges, such as ever-fluctuating currency exchange and bank interest rates (37 countries), complex bank reconciliation interfaces and ACH/wire-fraud detection.

Responsibilities:

- Requirement Analysis and preparing design document.
- Identified Key Performance Metrics and developed Performance Testing framework using JMeter
- Implemented Application Monitoring Transaction over 37 Countries.
- Revised, modularized and updated old code based to modern development standards, reducing operating costs and improving functionality
- Authored code fixes and enhancements for inclusion in future code releases and patches using Visual Basic, Unit testing, Mock testing, SQL / Hibernate for adding read and write service API.

Senior Software Developer   July 2020 - Oct 2020

Exceljuta, IN

- Envisioned Solution Architecture and Design for modernization efforts
- Designed and implemented MVC5 web application, streamlining high-server traffic resource configuration and allocation.
- Carried out continuous identification, measurement, and improvement of processes.
- Handling responsive themes layout designs.

IT Engineer   Sep 2018 - May 2020

Dot Line Consultancy, IN

- Create and develop the internal web applications using C#, ASP.NET and ADO.NET technologies.
- Supported IT Projects with end-to-end system solutions
- Responsible for network management including network performance tuning, security monitoring, file server backup, and email server administration
- Upgraded and configured Microsoft Windows server and installed network routers, cabling and firewall
- Performed testing and problem analysis for server, desktop, and IT infrastructure.
- Backup and restore data, operating systems, files, and drivers.
- Hired, trained and managed a team of ten people to work over custom projects.

Web & Software Developer   Feb 2011 - Nov 2017

Intellex Info Tech W.L.L, BH

- Create a Web Application Architected, designed and developed the system in 2 tiers using C# with .Net Framework.
- Support the development and maintenance of web portals and sites tailored web tools
- Convert and integrate data and content for use in databases websites
- Involved in Coding, Design, Test Phases, writing Queries and Stored Procedures.
- Used Crystal Reports to generate the reports.
- To set Authentication according to the client needs.

Education:

MSC IT - *73%*, April 2010, St. Joseph's College, Bharathidasan University, Tiruchirappalli.

BSC Computer Science - *64%*, April 2008, St. Joseph's College, Bharathidasan University, Tiruchirappalli.

HSC (State Board) - *53%*, March 2005, St. Joseph's Hr, Sec, School, Tiruchirappalli.

SSLC (State Board) - *77%*, March 2003, St. Joseph's Hr, Sec, School, Tiruchirappalli.

Technical Skills:

- Programming Languages **:** ASP.Net with C#, Python
- Web skills **:** HTML5, CSS, AJAX, JavaScript
- Tools **:** ADO.Net
- Frameworks **:** MVC, .Net Core, Angular JS
- Development IDE's **:** MS Visual Studio 2019/2015/2010
- Databases **:** My SQL / MS SQL Server, MongoDB
- Web Server **:** IIS, AWS
- Design/Media **:** Adobe Photoshop & illustrator
- Operating Systems **:** Windows 11/10 & Mac OS

Certification:

Completed **Ephesoft Transact 4.5** Advanced Certification Training *(Automate Document Processing)*