https://gitlab.com/asok.kalidass

Asok Kalidass Kalisamy

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PROFILE

An Experienced Full-Stack developer with proven experience in developing secured enterprise-level systems and seeking a collaborative, progressive, and innovative environment with an organization that offers opportunities for personal and professional development.

HIGHLIGHTS OF QUALIFICATIONS

- Over 7 years of experience in the Software Development industry involving in all phases of the software development life-cycle; analysis to implementation and a Master's degree in Applied Computer Science.
- Strong working experience in design, development of client (web/windows), and server-based applications.
- Worked in Agile methodology using Scrum practice (participated in sprint planning, daily stand-ups, sprint retrospectives, etc.)
- Good Knowledge of OOPS, solid principles, coding standards (SonarQube, ReSharper & ESLint), secure coding techniques, and design patterns like Factory, Strategy, etc.
- Experience in working with WCF Services, Restful web services, XML, XHTML Web Services using SOAP and WSDL following SOA in a distributed environment.
- Transformed client requirements into technical specifications, Modeling, and developing an application using C#.NET, ASP.NET, WCF, WEB API, MVC, React hooks, Material-UI, SASS, React Router V6 (object based routing), .Net Core 3, JavaScript, Azure DevOps, SQL Server.
- Implemented TDD (Test-driven development) using NUNIT framework and developed unit tests using Rhino-mocks, MOQ, Jest, and Enzyme.
- Prepared Technical design document, Use Cases, Test Cases, and User manuals for various projects and good at Root cause analysis, Bug fixing, and Unit & Integration testing.
- Knowledge of building, deploying, and managing applications using Microsoft Azure, deployment using software containers like Docker.
- As a value add, developed multiple automation tools (Clarity, SSN Encrypt/Decrypt, MMS TextNow) to aid the team.
- Academic Experience in Python, Perl, and Java
- MSc, Data Analytics & NLP major, Program Comprehension minor (September 2018).

RELATED EXPERIENCE AND ACCOMPLISHMENTS

Senior Stat Ops Analyst   **Provincial Health Services Authority, Burnaby, BC**   **May 2020 – Present**

- Created various Data-Sync services (strategy pattern) for data integration using Hangfire.
- Created the PO header module for the Centralized Back Order Management app.
- Developed Global logging and error handling pipelines in .Net core 3.1.
- Created TPL based Restful APIs with code first EF (Generic Repo Pattern) at the backend (multi-tiered pattern)
- Designed Expression based generic search extension function. (.Net Reflection and Expression Trees)
- Worked on various Power BI Reports and SQL Scripting.
- Designed the react boilerplate application that has a generic API layer, Reduce & multi-document architecture.
- Developed multiple generic React hooks components (Grid, Layouts, Lists, Dynamic Forms, and Controls)
- Written Unit test for UI components (Jest & Enzyme) and Business Layer (MOQ and XUnit)
- Performed root cause analysis for defects and provided resolution.
- Actively participated in design discussion and peer code review.

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Full-Stack Developer   **Snipp Interactive, Burnaby, BC**   **Sep 2018 - Sep 2019**
- Designed, developed, and consumed Restful APIs.
- Created a rewards dashboard using MVC, repository pattern (generic), and UnitOfWork in an N-tiered architecture.
- Developed, enhanced, and maintained an Angular JS based single page application that helps users to create & publish their own web templates and define specific business rules without a need for a developer.
- Leveraged parallel programming for file processing and MMS queue using producer & consumer pattern that reduces the job execution time by 60%.
- Created an MMS testing tool for the QA team that eliminates the use of a paid Perfecto subscription (side project).

Computer Science Intern   **Allscripts Healthcare, Richmond, BC**   **May - Aug 2018**
- Developed a password strength meter and tutorials module.
- Worked with the Syllable.ai team to integrate the chatbot application.
- Involved in bug fixes and enhancements.
- Worked with the business for requirement clarifications.

Associate   **Cognizant, Chennai, India**   **Aug 2011 - Dec 2016**

Project: Cassandra Migration (Cloud Migration - Azure) - Walmart
- Developed a fail-over mechanism for the Informix server to eliminate windows registries.
- Created a common architecture to remediate the group of applications that resulted in 50% increased productivity.
- Constructed a batch processing logic to retrieve the multiple paged document.
- Developed a windows utility that automates the QA testing effort by 90%.
- Voluntarily initiated the innovation drive to automate the manual processes.
- Contributed to the development of an Open-Source tool OneOps.

Project: Compliance - Walmart
- Written a load balancing logic to call the web service to request for criminal history.
- Introduced Dependency Injection mechanism.
- Created SOAP-based web-service to request the candidate's eligibility status.
- Developed a standalone SSN Encryption/Decryption utility to assist the support team.
- Constructed the generic file-based logging mechanism using log4net.
- Written complex SQL scripts to address the incidents.
- Developed an SSIS package to refresh the prod data in a test environment to ease our support activities.
- Created several POC's and Design documents for R & D activities.

Project: WebEDI Re-Architecture - Walmart
- Designed and developed the Inbound and Outbound documents module.
- Created the helper class to handle database operations with multiple providers.
- Worked on creating a rule-based engine to handle multiple EDI documents.
- Optimized existing SQL queries based on the query plan and analyzer.
- Developed a JQGrid based complex dashboard with a subgrid that supports CRUD operations.
- Written a helper class that assists developers in designing a custom PDF using iTextSharp.

Project: Global Freight Consolidation Strategy (GFCS) – Desktop Application - Walmart
- Involved in the analysis of new requirements.
- Developed solutions for new requirements.
- Resolved Sonar violations to deliver quality codes.
- Created a Test project and written Nunits.
- Involved in Unit testing and preparation of test data.

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EDUCATION

Master's in Applied Computer Science, Dalhousie University, Halifax   **2017-2018**
Bachelor's in Engineering, Anna University, India   **2007 -2011**

EXTRACURRICULAR ACTIVITIES

Chennai Tree Bank, member   **2009 – 2011**
Lake cleaning, seed collection & preparation, and plantation

Neighborhood House, volunteer   **Feb 2020 - present**
Computer education for seniors and other community activities