

<https://gitlab.com/asok.kalidass>

## **Asok Kalidass Kalisamy**

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asok.kalidass@gmail.com

## 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 8 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, Mediator, 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, CQRS, MediatR, HTML, JQuery, TypeScript, ES6, CSS, React hooks, Material-UI, SASS, React Router V6 (object based routing), .Net Core 3.1, JavaScript, Azure DevOps, CI/CD Pipelines, EF Core, 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**

<b>Senior Programmer</b>	<b>Provincial Health Services Authority, Burnaby, BC</b>	<b>May 2020 – Present</b>
<ul style="list-style-type: none"><li>• Created various Data-Sync services (strategy pattern) for data integration using Hangfire.</li><li>• Created the PO header module for the Centralized Back Order Management app.</li><li>• Enhanced Complex data intensive master item management app using CQRS pattern.</li><li>• Created TPL based Restful APIs with code first EF (Generic Repo Pattern) at the backend (multi-tiered pattern)</li><li>• Designed Expression based generic search extension function. (.Net Reflection and Expression Trees)</li><li>• Worked on various Power BI Reports and SQL Scripting.</li><li>• Designed the react boilerplate application that has a generic API layer, Reduce &amp; multi-document architecture.</li><li>• Developed multiple generic React hooks components (Grid, Layouts, Lists, Dynamic Forms, and Controls)</li><li>• Written Unit test for UI components (Jest &amp; Enzyme) and Business Layer (MOQ and XUnit)</li><li>• Performed root cause analysis for defects and provided resolution.</li><li>• Actively participated in design discussion and peer code review.</li></ul>		

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<b>Full-Stack Developer</b>	<b>Snipp Interactive, Burnaby, BC</b>	<b>Sep 2018 - Sep 2019</b>
<ul style="list-style-type: none"><li>● Designed, developed, and consumed Restful APIs.</li><li>● Created a rewards dashboard using MVC, repository pattern (generic), and UnitOfWork in an N-tiered architecture.</li><li>● Developed front-end components using HTML5, CSS3, Bootstrap and AngularJS.</li><li>● Leveraged parallel programming for file processing and MMS queue using producer &amp; consumer pattern that reduces the job execution time by 60%.</li><li>● Created an MMS testing tool for the QA team that eliminates the use of a paid Perfecto subscription (side project).</li></ul>		
<b>Computer Science Intern</b>	<b>Allscripts Healthcare, Richmond, BC</b>	<b>May - Aug 2018</b>
<ul style="list-style-type: none"><li>● Developed a password strength meter and tutorials module.</li><li>● Worked with the Syllable.ai team to integrate the chatbot application.</li><li>● Involved in bug fixes and enhancements.</li><li>● Worked with the business for requirement clarifications.</li></ul>		
<b>Associate</b>	<b>Cognizant, Chennai, India</b>	<b>Aug 2011 - Dec 2016</b>
<b>Project: Compliance - Walmart</b>		
<ul style="list-style-type: none"><li>● Implemented AGILE development methodology and provided estimates, and participated in weekly grooming meetings, daily &amp; weekly status report to the client on progress of the tasks.</li><li>● Created complex queries, indexes, stored procedures, views, triggers, user defined functions to incorporate the business flow</li><li>● Designed and developed MVC architecture with WCF binding concepts for making data binding for end points.</li><li>● Written a load balancing logic to call the web service to request for criminal history.</li><li>● Wrote application using Web API to talk to external applications and involved in writing small ASP.NET Web Forms application with VB.NET as programming language.</li><li>● Responsible for Database design, and creation of Stored Procedures, triggers in SQL Server and perform the Data retrieval in SQL Server</li><li>● Participated in various Client meetings with the team and the Project manager to discuss improvements /amendments in the development of the section.</li><li>● Used TPL (Task Parallel Library) for the purpose of scheduling of threads on Thread Pool and state management</li><li>● Created use case diagram, class diagrams and sequence diagrams using Visio.</li><li>● Created SOAP-based web-service to request the candidate's eligibility status.</li><li>● Developed a standalone SSN Encryption/Decryption utility to assist the support team.</li><li>● Constructed the generic file-based logging mechanism using log4net.</li><li>● Written complex SQL scripts to address the incidents.</li><li>● Developed an SSIS package to refresh the prod data in a test environment to ease our support activities.</li><li>● Created several POC's and Design documents for R &amp; D activities.</li></ul>		
<b>Project: WebEDI Re-Architecture - Walmart</b>		
<ul style="list-style-type: none"><li>● Involved in application development using C#, SQL Database, LINQ, WCF, Entity Framework and Web API</li><li>● Created the helper class to handle database operations with multiple providers.</li><li>● Worked on creating a rule-based engine to handle multiple EDI documents.</li><li>● Optimized existing SQL queries based on the query plan and analyzer.</li><li>● Developed a JQGrid based complex dashboard with a subgrid that supports CRUD operations.</li><li>● Written a helper class that assists developers in designing a custom PDF using iTextSharp.</li></ul>		
<b>Project: Store Apps - TechMod - Walmart</b>		
<ul style="list-style-type: none"><li>● Developed a fail-over mechanism for the Informix server to eliminate windows registries.</li><li>● Created a common architecture to remediate the group of applications that resulted in 50% increased productivity.</li></ul>		

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- Constructed a batch processing logic to retrieve the multiple paged document.
- Developed a windows utility that automates the QA testing effort by 90%.
- Developed multi-threaded Windows Service incorporating Task Parallel Library to perform background processing.
- Voluntarily initiated the innovation drive to automate the manual processes.
- Contributed to the development of an Open-Source tool [OneOps](#).

**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.

**EDUCATION**

Master's in Applied Computer Science, Dalhousie University, Halifax, GPA: 3.84

**2017-2018**

Bachelor's in Engineering, Anna University, India, GPA: 4

**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

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