**Sachin M S**

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# Summary

* Proficient Dot Net (ASP.NET) developer with overall **8 years** of Information Technology experience in design and development with ASP.NET webforms (C#), .NET core, ASP.NET MVC, ADO.NET, Microsoft SQL Server, Entity Framework, WCF as core technologies.
* **4 years** of development and migration experience with **Microsoft Azure** Cloud infrastructure and services
* Hands-on experience with designing / developing scalable applications on MS Azure cloud platform
* Knowledge of containerized application development with **Docker**
* Certified **Kubernetes** Application Developer (**CKAD**)
* Hands-on experience in Continuous Integration/Continuous Deployment tools - **TeamCity and Octopus**.
* Proficient in creating and consuming WCF services.
* Exemplary understanding of software design principles for building enterprise applications & reusable components.
* Sound knowledge on developing distributed microservice based scalable applications
* Familiarity with **Azure** **DevOps**
* Experience in fixing code issues for HP Fortify – a code scanner security tool.
* Ability to work independently and in a team environment, including quickly getting up to speed with new technologies.
* Acquaintance in code versioning tools such as **Git** and **TFS**.
* Thorough understanding and Experience in development of client/server architecture, Web Application, Web Services, Windows Services, RESTful APIs
* Experience with Agile software development practices such as Agile, Scrum, and Kanban (Tool: JIRA)
* Vast experience in analysis, development and documentation of enterprise applications and Microservices.
* Cohesive team worker with problem solving & communication skills/interpersonal skills.
* Highly motivated self-starter with advanced capability to quickly learn, and work with new technologies and complex technical environments, including a variety of databases and operating systems

# Skills

**Technology**: ASP.NET MVC, .NET Core, .NET, Microsoft SQL Server (SQL), JQuery, JavaScript, C#, Web Services, LINQ, Entity Framework, Web API, WCF, Windows services, Windows forms application, PNMSoft Sequence BPM, .NET Core, AJAX, VBA

**Cloud platforms:** Microsoft Azure and Amazon Web Services (AWS)

**OS/Platform**: Windows and Linux

**Databases**: Microsoft SQL Server 2008/2012/2016 (MS SQL)

**Version Control Tools:** Git (Azure DevOps, Bitbucket/Stash, GitHub), TFS, VSTS

**Design Pattern:** Singleton, Factory Pattern

**Microsoft Azure:** Virtual Machines, Function Apps, Azure Logic Apps, Azure Service Bus, Storage Accounts, Azure Key Vault, Azure AD, Application Insights, Azure Web Apps,

Cosmos DB, Azure SQL, Azure Bastion, Virtual Network, Azure SignalR and Azure Kubernetes Services (AKS)

**Tools:** SSMS, Visual Studio 2015/2017, TFS, Git extensions, Octopus, TeamCity, SonarQube, HP Fortify, Burp Suite, VS Code, SourceTree, WCFTestClient, SoapUI, Postman, VSTS

# Experience

1. **Company:** KPMG Global Services Pvt. Ltd **Designation**: Consultant

**Duration**: July 2017 to present **Location**: Bengaluru

**Role**: Dot Net Developer

* An individual contributor/developer working for clients as part of Tax Technology team, KPMG UK.
* Release management of applications and documentation.
* Migration of on-premise applications to Microsoft Azure.
* Interaction with Site Reliability Engineering (SRE) team for cloud resources.
* Conducting Backlog grooming session and sprint retrospective meeting for team.
* Mentoring junior developers within the team.

1. **Company:** Tata Consultancy Services **Designation**: Systems Engineer

**Duration: January** 2014 to July 2017 **Location**:Bengaluru

**Role:** Dot Net developer

* Worked as .NET developer for PwC Canada client projects.
* Client interaction for requirement gathering and providing technical solutions and estimates.
* Technical design and development of modules in an application.
* Performing release management activities for a project and liasoning with testing team.
* Knowledge transfer to new associates in team on a need-to-know basis.
* Stakeholder’s communication during the project life cycle.
* Peer review of code, unit test cases and deliverable documents.
* Mentoring new joiners to the team

# Certifications

* CKAD: Certified Kubernetes Application Developer – Jul 2020
* Microsoft Certified: Azure Developer Associate (AZ-204) – Jul 2020
* Microsoft Certified: Microsoft Azure Architect Technologies (AZ-303) – June 2021
* Microsoft Certified: Microsoft Azure Architect Design (AZ-304) – July 2021
* Microsoft Certified: Microsoft Azure Fundamentals (AZ-900) – August 2021
* MCSA: Developing ASP.NET MVC Web applications
* AWS Certified Developer Associate – September 2019
* Certified Scrum Master – December 2021

# Training

* Developing Microsoft Azure Solutions from Koenig Solutions, Bengaluru
* ReactJS training from Edureka, Bengaluru
* AWS Certified Developer – Associate training from Edureka, Bengaluru
* Certified Scrum Master from Cognixia, Bengaluru

# Education

* 08/2009 - 06/2013 Bachelor of Engineering B.E. in Electronics and Communication from Bapuji Institute of Engineering and Technology, Davangere

# Projects

## Tax Workflow Portal

**Technology**: ASP.NET Core 3.1, Azure Service Bus, SQL, Cosmos DB, Azure Logic Apps, Azure Function App, Entity Framework, Windows Services, PNMSoft Sequence BPM tool

**Description**: Workflow is a portal used by KPMG UK Tax preparers to file tax to HMRC. This tool uses PNMSoft product Sequence as BPM tool.

**Roles/Responsibilities:**

* Design and development of Azure Service Bus messaging architecture for message exchange between various systems within Tax ecosystem of KPMG UK
* Creation of Azure Service Bus Topics, Subscriptions, Filters, Queues etc. as an integration mechanism as well routing mechanism for different applications
* Developed .NET core 3.1 worker service and Azure function app which listens to incoming messages on a queue and takes appropriate action on each message.
* Implemented Serilog based logging for rolling update log to a file system
* Implemented an Azure Function app which listens to queue which will be triggered on receiving of a message and stores the message to Azure Cosmos DB with TTL of about 30 days
* Implementation of X509 certificate-based authentication combined with managed identity service of Azure AD to authenticate to service to send and receive messages.

## Transfer Pricing Portal

**Technology**: ASP.NET Core 3.1, Entity Framework, jQuery, MS SQL server, EC2 instances, AWS RDS, AWS SES, S3 buckets, ELB, AWS CloudWatch

**Description**: Transfer Pricing Portal will facilitate request for information from a client, secure exchange of draft documentation and allow this documentation to be reviewed by KPMG and corporate clients. Approved document from TP portal can be used by clients to provide as evidence to Tax authorities

**Roles/Responsibilities:**

* Enhancements involving changing the applicator design to be moved from the concept of entity id to deliverable id
* Part of the team to upgrade from .Net Core 2.1 to .Net Core 3.1
* Implementation of ag-grid within application replacing HTML grid.
* Document retention changes within documents stored in AWS S3 buckets as part of GDPR compliance
* xUnit test cases to improve code coverage.
* Analysis of the application migration into Azure Kubernetes Service (AKS)

## Audit Culture App

**Technology**: MS Azure Web App, ASP.NET Core, Azure SQL, React and Typescript, Power BI

**Description:** The Culture App is a web application used by auditors to understand client’s corporate culture from the risk assessment stand point, as well as facilitate the gathering of insights needed to adequately address direct client inquiries in this regard.

**Roles/Responsibilities:**

* Troubleshooting the issue and fixing as a part of application maintenance and provide timely support to client in case of any production Issues.
* Handled Microsoft .NET core upgrade from 2.0 to 2.1 successfully.
* Providing support to Power BI and MVC application integration.
* Debugging issues through remote debugger, Kudu extensions, Application insights in Azure.
* Successfully implemented secure **Azure Key Vault service** to read keys rather than from plain text stored in web.config file
* Analyzing complex views/joins for data issues within application.
* Release management of application through TeamCity build and Octopus release

## KPMG Pilot

**Technology**: AWS VM hosting, ASP.NET MVC, Entity Framework, AWS RDS, Redis Cache

**Description**: Pilot is a multi-tenant online application hosted on AWS which the Pensions team aim to sell to large clients to allow employees to see one’s pension (both Defined Benefit pensions and Defined Contribution pensions). The application is used by client employees (users) to view pension contribution.

**Roles/Responsibilities:**

* Troubleshooting the issue and fixing as a part of Application maintenance and provide timely support to client In case of any production Issues.
* Handling Entity framework code first migrations for database.
* Creation and support of new tenants in AWS infrastructure by creating CNAME
* Managing Bastion servers of the application.
* Implementation and unit testing of GDPR changes.
* Code review and merging through pull request for Git based BitBucket tool.
* Release management of application through TeamCity build and Octopus release.

## Intelligent Questionnaire Manager (iQM)

**Technology:** ASP.NET MVC 4, MS SQL server, jQGrid, SonarQube

**Description:** iQM is an interactive application which behaves based on the client's responses. This intuitive questionnaire takes through the various sections that apply to client’s organization and allows for collaboration with the client during the information gathering stage.

**Roles/Responsibilities:**

* Requirement gathering and development of technical modules.
* Unit test case execution.
* Performing HP Fortify code scan and fixing OWASP issues.
* TFS build and auto deployment configuration, PowerShell scripts.
* Developed automatic email reminder scheduler to send emails to users on a periodic basis.

## Rotation Tracking System (RTS)

**Technology**: ASP.NET 4.0, C#, SQL, SSRS, Windows task scheduler

**Description:** RTS is an auditor tracking tool for clients where in an auditor is allowed to work for predefined period; later which one has to serve cooling off period before serving as an auditor on same client.

**Roles/Responsibilities:**

* Migration of application from windows 2003 to 2012 server
* Created and hosted a new SSRS reports.
* Configuring SMTP server, SQL database Job and windows task post migration.
* Application hand over to concerned support team post development.
* OWASP issue remediation/ Penetration testing issue fixing and Technical Design documentation.

## Web Based Tax Invoice

**Technology:** ASP.NET 4.0, Entity Framework, MS SQL server, JavaScript, RDLC

**Description:** Web Based Tax Invoice application which is invoicing system used by client for billing PwC clients.

**Roles/Responsibilities:**

* Development of technical modules, Requirement gathering.
* Unit test case execution.
* UAT support, Application support hand over.
* OWASP issues remediation and browser compatibility testing.

# Awards and Recognitions

* **Rising Star** award for high performing new joiners in KPMG, May 2018, *KPMG Global Services*
* **On the spot** award for phenomenal contribution for client delivery, June 2016, *TCS*

# Declaration

I do hereby declare that the particulars of information and facts stated herein are true, correct and complete to the best of my knowledge and belief.

Place: Bengaluru

Date: