VIJIL V PILLAI

Systems Engineer | .NET, Azure and Angular/React Developer
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PROFESSIONAL SUMMARY

Microsoft Certified Systems Engineer with 11+ years of experience delivering enterprise web applications, APIs and cloud solutions on .NET Core, Azure and AWS across aviation, energy, information security, telecom, healthcare, finance and e-commerce. Built systems used by **20K+ users** and reaching **10.65M customers**, with a record of turning business requirements into scalable software that cuts processing time and manual effort.

CORE SKILLS

Languages: C#, SQL, JavaScript, Node.js, HTML5, CSS
Frameworks: .NET Core, ASP.NET MVC and Web API, EF Core, Dapper, MassTransit, IdentityServer, Angular, React, jQuery, Kendo UI
Cloud and DevOps: Azure (Functions, Service Bus, Event Hubs, Batch, Key Vault, App Service, DevOps), AWS (Lambda, ECS, S3, API Gateway, CloudFormation), Docker, OpenShift
Messaging and Security: IBM MQ, RabbitMQ, Ocelot, Keycloak, OAuth, MSAL
Testing and Databases: xUnit, Moq, TDD; SQL Server, MySQL, PostgreSQL
Tools: Git, Bitbucket, Jira, Confluence, ServiceNow, Visual Studio, Power Apps, Power Automate, Agile, Scrum

WORK EXPERIENCE

Systems Engineer — Nov 2023 - Present

Qatar Airways, Doha, Qatar
Technologies: .NET Core, EF Core, IBM MQ, OpenShift, Ocelot, Azure DevOps, Angular, Keycloak

- Work with business users to streamline online reservations for **20K+ accommodation users**, including **2,500+ crew**, saving **100+ hours** of manual booking effort.
- Delivered a workforce management module for **250+ users** (200 staff, 50 service providers) that automates manpower allocation, attendance and leave tracking, saving **4 hours of manual effort a day**.
- Built secure, role-based screens and APIs used by **100+ external vendors**, improving access control and day-to-day efficiency.
- Automated crew communication (email, SMS, in-app) with reusable templates; delivered **20+ operational reports** and resolved inventory issues to support accurate stock tracking.

Senior Technical Lead — Feb 2021 - Sep 2023

EY GDS, Trivandrum, India
Technologies: .NET Core, EF Core, Azure Functions, Key Vault, Azure Batch, App Insights, Azure DevOps, React, Angular, Power Apps

- Led delivery and technical design for **2 clients** in energy and information security, keeping solutions aligned to business goals.
- Worked on a customer notification module for an energy provider reaching **10.65 million customers**.
- Automated credential scanning across **100+ client Azure DevOps repositories**, finding **50+ issues in each repo**.
- Built data ingestion from **3 source systems** processing **10K+ records a day**, and a bulk email tool sending **5K+ emails per run**, saving manual effort and operating cost.
- Strengthened security with single sign-on (MSAL) and modernised legacy client applications (Angular 5 to 14, .NET Core 3.1 to .NET 6), lowering maintenance cost and support risk.
- Delivered proofs of concept later adopted in production; applied TDD to improve quality and reduce defects.

Senior Software Engineer — Mar 2020 - Jan 2021

Virtusa Consulting Services Pvt Ltd, Chennai, India
Client: Qatar Airways
Technologies: .NET Core, EF Core, Dapper, Azure DevOps, React

- Delivered a material management solution end to end, from React screens to backend APIs; it has handled **100K+ material requests** and **1M+ work orders** since launch and cut processing time from **5 days to 1**.
- Translated stakeholder requirements into technical solutions and documented the architecture for easier maintenance.
- Proved out RabbitMQ messaging through POCs later adopted by the project; applied TDD to improve quality.

Software Engineer **Jan 2019 - Mar 2020**

CES IT Pvt Ltd, Chennai, India

Technologies: .NET Core, Docker, AWS (Lambda, ECS, S3, API Gateway, CodeBuild, CloudFormation), Azure Functions, Service Bus, Event Hubs, Node.js

- Built scalable microservices and pay-per-use serverless APIs on AWS with secure OAuth login for an e-commerce platform serving **60K+ merchants**, supporting revenue growth from **$1M to $5M** while keeping infrastructure costs in line with usage.
- Automated build and deployment with CI/CD pipelines, reducing manual release effort and deployment errors.
- Built event-driven messaging on Azure for reliable, decoupled communication between systems.
- Documented cloud architecture, delivered POCs and wrote unit tests to reduce delivery risk.

System Analyst Developer **Sep 2018 - Dec 2018**

Verizon Data Services India, Chennai, India

Client: Verizon US

Technologies: ASP.NET Web API, AWS EC2, PostgreSQL, Scrum

- Enhanced the customer equipment and offers module for **18M landline customers** and built promotion eligibility features for **280+ sale-day promotion offers**.

Application Development Analyst **Feb 2017 - Aug 2018**

Accenture, Chennai, India

Client: Shire

Technologies: VB.NET, SQL Server, IIS, Agile, Scrum

- Maintained healthcare reporting applications and ran quarterly data migrations that drive commission calculations for **3,500 sales reps** (**$30K+ commission per rep per year**), ensuring accurate payouts.
- Onboarded users and resolved data and upload issues with ETL and reporting teams, keeping reporting data reliable.

Programmer Analyst **Jan 2015 - Jan 2017**

Cognizant Technology Solutions, Chennai, India

Client: Fiserv Inc.

Technologies: ASP.NET MVC, ADO.NET, jQuery, Kendo UI, HTML5, SQL Server, TFS, Jira

- Developed front-end and back-end features and REST APIs for a financial services application processing **350M cards a year**, helping cut processing time from **15 days to 3**.
- Modernised a legacy VB.NET application to ASP.NET MVC and wrote SQL procedures and unit tests, improving maintainability.

CERTIFICATIONS

- Microsoft Certified: 70-483 Programming in C#
- Microsoft Certified: 70-486 Developing ASP.NET MVC Web Applications
- Microsoft Certified: 70-480 Programming in HTML5 with JavaScript and CSS3
- Microsoft Certified: 70-532 Developing Microsoft Azure Solutions
- Microsoft Certified: AZ-304 Designing Microsoft Azure Infrastructure Solutions

EDUCATION

Bachelor of Technology **2010 - 2014**

Y.C.E.T, Kollam, India