

Akhil P Nair

Senior Technical Architect
Hewlett Packard Inc

Contact: +91 81057 56221
Akhilpn90@gmail.com

OBJECTIVE

A versatile, high-energy technocrat with the distinction of executing prestigious projects of large magnitude within strict time schedule. Seeking challenging assignments in Automation, Intelligent Solutions, Data Analytics, Data Engineering and Software Development. My key interests are working on new innovative technologies, learn and explore new tools and technologies, working on new innovative design frameworks and driving business outcomes.

SUMMARY

Technical Architect with 8+ Years of experience in Architecture, Design , Analytics, Robotics, Automation, software development, Analytics, BI tools , Algorithms, and Data Engineering.

- Skilled in understanding Software Requirement Specification and identifying the required Scenarios.
- Technical expert in **C# Dot Net, SharePoint development, Selenium, HTML Reader, Robotics, Power Automate, G Suite.**
- Developed **automated solutions** in various **web** tools and other interfaces like **SAP GUI, SAP BW, S4, Dynamics AX, Amplify, Redshift**
- Knowledge on **SQL, MS Tools, Office 365 Apps**, and data management skills.
- Developed cool innovative solutions which includes **automatic signature addition in outlook, Fun event App, FTP/SFTP file transfer, 0365 Stream video tracking, Web extraction and web Automation.**
- Developed Gaming app for the larger finance community and received awards and appreciations from Senior level leaders.
- Experience in **Web Security, Ajax, JavaScript** to enable Security and other validations.
- Good level of knowledge in **HTML, CSS XML, Dot Net, Macros, JSP, SSIS, SSRS, UI pages, Web Forms, IIS, Report Builder.**
- Experience in BI Tools like **Qlickview, Tableau, Power BI.** Also, good knowledge in **R, Python.**
- Worked on many Automated solutions which helps **reduce human efforts** and savings to a great extent.

EDUCATION

COURSE	BOARD/UNIVERSITY	INSTITUTE
MTech - Software Engineering (2014-2015)	Deemed University	Birla Institute of Technology and Science
B-Tech - Computer Science (2008-2012)	Deemed University	Amrita School of Engineering
Pre-University Course (2006-2008)	Central Board of Secondary Education	SDV English Medium Higher Secondary School
Matriculation - 2006	Central Board of Secondary Education	SDV English Medium Higher Secondary School

TECHNICAL EXPERIENCE

Programming Languages:

C#, .Net, ASP.NET, SQL, SSIS, SSRS, Ajax, HTML, CSS, JavaScript, PowerShell, Web Scrapping

Working Platforms:

Microsoft Windows XP/7/10, Server 2012, Azure, AWS Cloud

Other Skills:

SSMS, SharePoint development, Microsoft Tools, GSuite, Win Automation, Power BI, Power Automate, IIS, Jenkins, VMWare ,OneDrive, Word, Excel, PowerPoint, OneNote, SharePoint, Dynamics, Stream, Video

Basic knowledge in Python, PowerShell

Development Tools:

VisualStudio-2010 to 2017, SSMS, Shell, PowerShell, Power BI, Win Automation

PERSONAL TRAITS

Adaptive learner, Innovative thinker, easy adaptability to new environment, Team Plater, Technology Enthusiast , Problem solving and good communication skills

LANGUAGES

English, Malayalam, Hindi

Personal Information

Gender: Male
Nationality: Indian
Passport: J8096800
DOB: 04th Sep 1990
Marital Status: Married
Father Name: Parameswaran
Mother Name: Sreelatha S

PROJECTS

Hewlett Packard Inc.

Projects & Responsibilities: Worked on more than 100+ projects - Technical Architect with skills in various technologies like ASP .Net, C#, SQL, Web development, Automation, Windows App development, SharePoint development, Business Intelligent dashboards, Analytics, Data Engineering and Architecture building, Win Automation, Power Automate, Office 365 Apps, AWS, Azure, Python, Jenkins, PowerShell. Highlighting few major projects

Project: Website Development – ASP.Net C#, SQL, HTML, CSS, JavaScript, Ajax

Implemented enhanced analytical solution to develop an analytical framework to drive business decisions for the EMEA by optimizing the spend to improve the ROI and improving the target setting process. Phase I has been completed before the timeline and has been appreciated by the Stakeholders and EMEA BU. This dashboard helped reduce manual efforts which included

- Consolidating multiple excel databases into a single database
- Reducing the time spent in preparing the dataset
- Enhancing the analytics and visualization to gain better insights
- Extending the capabilities to a broader audience in a self-serve dashboard environment

Project : Benford's EEM Analysis – Power Bi, SQL, SSIS

Benford's law - law of anomalous numbers, and first-digit law, is an observation about the frequency distribution of leading digits in many real-life sets of numerical data. The law states that in many naturally occurring collections of numbers, the leading significant digit is likely to be small.

Developed an Employee Expense Management POC Dashboard in Power BI which utilized Benford's Law (In a naturally occurring collections of numbers the leading significant digit is likely to be small) which used for fraud detection.

Project: Windows App for the Finance Day – Dot Net c#, SQL, SSIS

The windows app was developed which can be opened to all the employees in HP under Finance. The app was built as an exe which was shared across the employees in the Finance Day SharePoint link. The app was integrated with AI and advanced level of code which runs seamlessly in any user systems under any time zone. It even captures the different time zones of the users. The app was injected with timers which automatically changes the interface based on each event.

Project: Finance Day – Cards for Kidz – SharePoint, Flow, MS Forms

Developed a SharePoint site for all the finance employees to contribute and play activities for Finance Day 2020. This SharePoint site was added with many cool features and functionalities to upload cards made by kids. The site accepts both handmade and digital cards. This site was also integrated with additional features like Do's and Don'ts, HP links, embedded videos etc.

Project: Robotic Workflow Solution – Power Automate, PowerShell

Developed an end to end Robotic workflow solution which downloads data from SAP web interface and using advanced script, the excel pivots gets automatically refreshed and updated with new records downloaded using the RPA solution. The final stage includes delivering the report which uploads the final report to the SharePoint office 365.

Project : SAP Web & SAP GUI Automation – C# WinForms, Python, SQL

Implemented more BW Bots (Total 186 Bots) for most of the stakeholders and leadership teams. The solution is now upgraded with functionalities which includes uploading the reports to SharePoint from Share folder which maintains different folders for each MSC days. The solution was built in dot net framework embedded with Python which automatically login to SAP window and automatically downloads the report. The program then initiates Python scripts which executes the reports and finally uploads the report to SharePoint with email trigger to respective Stakeholders.

Project : Aged Inventory & Accrual Analytics Model

AI Enabled IPA solution to extract & integrate disparate data sets. Cutting edge Analytical models and Intuitive Visualization. Risk Heatmap & Flags to highlight potential risk impact for Early Warning Mechanism based on Risk Perception Inventory Accrual Quantification and Risk Analysis

Pareto Analysis for Management by Exception Supply Visibility & Demand Behavior Analysis. Inventory Excess & Risk Analysis Source Data Quality & Gap Analysis. AI enabled for ad hoc exploration and conducting root cause analysis. Closed loop feedback mechanism for Continuous Improvements. Developed Bot solutions to process automation which retrieves data from various sources which includes iCost, eFox, SCITS, SAP B50. The program automatically navigates through all the sources and retrieves the following data.

Ericsson India Global Services PVT LTD

Projects & Responsibilities: Solution Integrator, SME, Automation lead .Worked with an agile team of various consultants. Exposure to software development, testing, networking. Developed web dashboards, Automated solutions, Algorithms.

Project: EGI Maybach SP2 -Client – MBNL, UK

SME for development on innovating ideas and technical support on tools which include Citrix, IPCM, One TM, Greenplum, NRM applications. Using Asp Dot Net, SQL, C# Windows forms application.

- Developed monitoring applications which reduced manual efforts.
- Created dashboard which can track the data and analytics.
- Developed continuous integration, test reporting and test coverage tools. Code generation using Visual Studio add-on technology.
- Designed and developed system integration testing framework.

Developed innovative scripts and was awarded multiple times from the client and appreciations from Ericsson global head.

Project: Capital Accrual - Automation

Automated solution by retrieving and consolidating data from BOE, LH1 with huge time savings.

Developed an iBot which download PO and Requisition data from BOE under various parameters. The program then reads data from PO and upload to LH1 to get the invoice level data one by one. This process was done manually on a monthly basis and was taking 4-5 working days of many people under Crews. We have successfully automated this solution and the reports are now scheduled to generate every once in 3 days from a monthly status. The iBot was highly appreciated by L3 leaders and all the Stakeholders involved. The program runs with multiple technologies with no human touch. The final/consolidated reports are uploaded to the SharePoint and SFTP server with email communications.

Cognizant Technology Solutions

Projects & Responsibilities: Associate with experience and skills in web development , Windows Automation. Developed innovative solutions for client and even participated and won various awards. Worked in client's Office – Philips . Part of Analytics team in Philips and contributed to many Analytical projects.

Project: Philips ICAP (Client Location)

Using Asp Dot Net, NUnit, NCover, C# Windows forms application. (Worked in client location)

Worked on the enhancement of report application of CT scanner.

Developed continuous integration, test reporting and test coverage tools. Code generation using Visual Studio add-in technology.

Designed and developed system integration testing framework.

Created tests for individual portions of production code, independently of each other Which reduced the need of manual, time consuming and error prone testing

Project: Philips Enterprise Analytics (Client Location)

Using Asp Dot Net, SQL, SSIS, C# Windows forms application. (Worked in client location)

Worked on the reports for SPS (Spare parts Service) for Philips Global

Developed Front End UI for SPS which can track the data and generate reports.

Developed continuous integration, test reporting and test coverage tools. Code generation using Visual Studio add-in technology.

Designed and developed system integration testing framework.

Created SSIS Packages which pulls huge load of data into SQL.

Project: My Philips Portal - Philips PMO Team.

Using ASP.Net, C# Web Application with SQL Server Management Studio

The My Philips portal has over 20 modules which helps an Associate allocated to Philips Project get the details about his/her project, Revenue, Clarity, Invoices, Payment Advices, Purchase Orders, Services, Service Order and Allocations. The portal also has a role-based Security which enables only the eligible users to view their details such as, the details about the services and Projects is restricted to the Service Lead and Project Manager.

The portal also has been enabled for multi-lingual display and the details can be viewed in English, Hindi or Dutch depending on the User's choice.

The user can also choose the theme of the page from the available themes in the portal.

The administration is restricted to the Admins where the Admin can add/remove a user, assign specific roles to user to enable the role-based Security.

Seat Management and Asset Management are fully controlled by the portal where any Philips Allocated associate can allocate a seat or de-allocate or the user can move an associate from the current to a vacant seat. This is again restricted only to the associates who are allocated in Philips Project.

The portal includes a page where the Manager+ can generate 'On the Spot' awards (e-certificates) for their associates. This is done using the Report Wizard in ASP.Net.

Validations are all done in the portal using Ajax Toolkit.

The Admins of the portal also have an option to change user to any other users if required for security reasons.

The security enabled is using the ASP.Net web Security.

Project: SM7 TWatch

Using Asp.Net, C# Windows forms application with SQL Server Management Studio. Currently the tool monitors about 18 thousand cases monthly and capacity to monitor about 50 thousand cases with increased infrastructure

The SM7 tool is Comprised of four Web form application and one Web Application

Data Reader – This is an automated web form application which captures data from the HPSM CRM tool. This data, defined by formatted views, is processed into TWATCH database by HTML filtering. A timer is integrated which trigger automated mails when the reader stops reading from the web page.

Email Sender – This application runs only on the server to send automated emails. It takes the contact saved in the database and based on the level of notification, priority and type of ticket sends emails to respective people.

T Watch – This is a web-based application which captures data using HTML readers from the HPSM CRM tool. This data, defined by formatted views, is processed into TWATCH database by HTML filtering. The application then triggers alerts based on defined parameters. Email, SMS notifications and Automated calls are triggered accordingly This is a web page which contains more than 40 modules. It keeps track of all the details of the Reader and the Email Sender. User have to register to the site and access will be given accordingly (User, Analyst, Manager). Ajax styles and validations are used in the website. All the Email Transactions and data are shown in reports with graphs.

SMS Application – This application sends automated SMS. It takes the mobile numbers saved in the database and based on the level of notification, priority and type of ticket sends SMS to respective contact.

Caller Application – Automated calling application is setup to notify for all P1 and P2 IM and SR tickets to CTS scope teams. The SM7 HTML page is integrated with the Triage database which triggers the Call Dialer App to dial the numbers for critical calls for respective teams as per the escalation matrix. Average 80- 90 calls triggered on daily basis for P1 and P2 tickets.

Dashboard - Single repository to display LIVE OLA / SLA information for all tickets at Philips account level across sector under CTS scope.

Achievements

- Secured 3rd price in Hackathon Event at Cognizant Technology Solutions. (Building an Application in 24 hours).
- Awarded from Cognizant for taking complete ownership of ticketing tool application and Live Dashboard setup.
- Certification in Dot Net and SQL from Brain Bench.
- Participated in a 2-day workshop on “game development with a social relevance” organized by Amrita University and SAVE labs in association with DST. Govt of India.
- Participated in a one-week workshop on “Recent trends in Web application development” organized by Amrita University.
- Won Black Belt Certificate for successfully completing the Lean Six Sigma Tools
- Opportunity to be part of CYPHER 2018 & 2019 with topics covered on IOT, Artificial intelligence, Analytics, Statistics and Data Science.

I hereby declare that all the details furnished above are true to the best of my knowledge.

Date : 02 Mar 2021

Place : Bangalore, India

AKHIL P NAIR