

SPANDAN KATTAYA

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PROFESSIONAL SUMMARY:

- One of the developers of the **first team of start-up AirWatch-VMWare**, the **leaders** in Mobile Device Management market and played various major roles and responsibilities in the company for 10 years.
- 4+ yrs. experience of leading team with additional responsibility of scrum master
- 12+ yrs. of experience in developing enterprise software on **.NET 2.0/3.0/4.5/4.6 framework** using **C#** language.
- 8+ years of experience in UI development using **MVC4/5, CSS, Ajax, JavaScript, TypeScript, jQuery.**
- 5+ experience in developing front-end using **Angular.**
- 10+ yrs. of experience in developing **Web APIs (REST), Windows Services, IIS**
- 10+ yrs. of experience in developing **ADO.NET, Entity Framework, LINQ, Event-Driven Architecture**
- 5+ yrs. of experience in developing **Microservices** using **.NET Core 2.1/3.1** technology.
- 12+ years database experience with **MS SQL Server**
- 5+ yrs. of experience in **Azure Cloud Services**
- 10+ yrs. of experience in DevOps with **Bitbucket, GitHub, Azure, Jira**
- 10+ yrs. of experience with testing frameworks – **xUnit, NUnit**

SKILL SET:

<i>Programming languages</i>	<i>C#, Java, VB.NET</i>
<i>Development Environment</i>	<i>Visual Studio Code, SQL Management Studio</i>
<i>Framework</i>	<i>MVC5, Angular, ASP.Net, .Net Core, .NET Web API</i>
<i>Database</i>	<i>MySQL, Oracle</i>
<i>DevOps</i>	<i>Bitbucket, GitHub, BuildKite, Jira, TFS, Azure</i>
<i>Web Server</i>	<i>IIS, Apache</i>
<i>Software platform</i>	<i>Swagger, Data Dog, Kibana, Grafana, Splunk, Postman, Fiddler</i>

PROFESSIONAL EXPERIENCE

Wayfair, Boston, MA

Senior Software Engineer

Sept 2021 – Current

- **Business Intelligence System:** Designed and developed tool to generate quality leads for sales team using location/contact/permit data from Zoom Info company. .NET was used to implement the different stages of the pipeline using Azure technologies. Built web application using MVC and Angular for the Sales team to access the leads. Additional responsibilities were – SME and Scrum Master during go-live.
- **Hierarchization and Enrichment of Business Accounts:** Implemented tool to hierarchize and enrich the location data using REST APIs provided by Zoom Info. Built web application using MVC and Angular for the Sales team to access the hierarchized leads. This tool helped Sales team to penetrate the market in diverse industries.
- **Centralization of Data – Book of Truth:** Implemented the event-based architecture using .NET to centralize the sales-related data and provide ingress, egress, and versioning capabilities. This tool helped syncing data used across various Sales team via web application built using MVC and Angular. Ingress and Egress capabilities were provided by Kafka and Azure PubSub service. Azure SQL DB was used for data persistence.

- **Designing Microservices for modelling Current Expected Credit Loss (CECL):** Leading the team to develop microservices and async batch services for a distributed system to track expected loss after end of business day. Microservices – developed using .NET Core - are managed using Azure cloud services. At the end of the business day, daily jobs are automated to run using JIL scripting and Autosys tools. The data sources are of diverse nature – SQL, Oracle, Teradata, Excel, Intex etc., The forecast reports are available on-demand via web application (using MVC4) hosted on Azure cloud AND Windows application (using WPF) hosted on Citrix servers. Worked on designing cache system customized for faster loading of web application grids using Google protocol buffers.
- **Migration of Monolithic Authoring, Calendar, and Alfresco applications to AWS:** Designed and implemented domain-based microservices architecture using AWS services – Lambda and Step functions. Alfresco Content management was implemented using S3 and DynamoDB. Integrated on-premises Calendar application with Outlook add-ins using REST APIs and AWS services – Elastic Bean Stalk, RDS, CloudWatch and SDKs implemented using .NET.

- **Chrome Device Management:** Leading team to build management architecture for chrome devices for various markets – education, aviation etc., Tech stack included .NET MVC, .NET Core, .NET Web APIs, SQL DB, AWS and Angular. Involved building request body for Google APIs available for enterprise management. Profile object's UI was built dynamically using admin-defined template (JSON format) and Angular framework.
- **App Consolidation for Device Enrollment:** Worked as an individual contributor for the core product in the project of onboarding the device to the management ecosystem using a new mobile app called HUB. There are in-built apps for this step – Agent, WS1. As part of new market strategy, these apps were consolidated to one single app by orchestrating identity provider and AirWatch. This involved syncing effort from various teams to deliver the product on time. Tech stack included API development using .NET Core, UI using .NET MVC, orchestration application using Java, SQL DB
- **Tunneling for Android Devices:** Tech Lead for the team working on providing push notifications ability upfront for devices with VPN profile while publishing and device onboarding. Tech stack included back-end development using .NET Web API and SQL DB
- **Agile Project Management:** Played the role of managing sprints for Dragon Fruit release's feature pack. Management involved following up on health, velocity, and task onboarding for 4 sprints across 10 agile boards. Additional responsibility was tracking the status of bugs on daily basis during regression.

- **Privacy Messaging:** There is a myriad of management features in the product. This demands transparency at granular level in terms of app data, telecom data collection and its impact on end user's private data. The proper messaging involved new app installment during enrollment. This involved development of new apps and customizing the message based on console settings. This project featured in VMWare's annual event – VMworld 2016. Tech stack included UI using .NET MVC and SQL DB

- **User Data Security:** This project aimed to avoid spoofing user data at the database and client level. This was achieved by administrator chosen algorithm. Tech stack included back-end development using .NET MVC, .NET Web APIs, and SQL DB
- **Globalization Tool:** Due to its huge customer base all over the world, the product supports around 20 language packs. Every message on the console and device needs to be globalized. This project aimed at tool development to create message texts for each key in all the language packs and to cache them to have minimum performance impact. Tech stack included Windows services and SQL DB
- **Device Geofencing:** This project aimed at restricting device management given the geographical map boundaries. The shape and size of the area is defined by the administrator. The effort also involved managing devices based on pre-defined time schedule. Tech stack included UI using .NET MVC, Windows Services and SQL DB
- **User-Interface Framework Migration:** Led the team to migrate user interface of 17 console modules from MVC2 framework to MVC4 – effort spanned for 6 months. Tech stack UI using .NET MVC4 and SQL DB

AirWatch, Atlanta, GA
Software Engineer

Oct 2010 – Jan 2014

- **User Management:** Built 3-tier architecture for complete cycle of end-user and administrator management. Design involved building resources for self-service portal for an end-user. Secured end-user access based on resources for on-premises environments. And location hierarchy based for SAAS customers. Tech stack back-end services using .NET, UI using .NET MVC4 and SQL DB
- **Device Life-Cycle Management:** Extended 3-tier architecture to various modules of device cycle management. Modules involved End User License Agreement, Device Restrictions, Ownership, Location-based hierarchy, License Certificate, Messaging Templates, Branding, Tokens for Pre-enrollment etc., Tech stack back-end services using .NET, UI using .NET MVC4 and SQL DB
- **Batch Import Implementation:** Designed 3-tier architecture for batching tasks for improving performance and providing scalability. Batching module involved file processing, queuing, reporting, and error handling. Tech stack back-end services using .NET, UI using .NET MVC4 and SQL DB

Lucent Technologies, Bangalore, India
Associate Software Engineer

Aug 2006 – July 2008

- Designed, implemented, documented, and integrated new features for optimizing traffic flow for TPU – Traffic Processing Unit - module of 3G technologies - CDMA2000 and CDMA-EVDO
- Developed tool to extract hardware logs from TPU for error handling during upgrades and new installations.

EDUCATION:

University of Minnesota, Minneapolis
Master in Electrical Engineering

Aug 2008 – Jun 2010

Sri Jayachamarajendra College of Engineering, Mysore
Visveswaraya Technological University, India
Bachelor of Engineering (Electronics & Communication)

Sept 2002 – Jun 2006