

# Avnish Kumar

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**High-energy Technocrat with nearly 8+ years of extensive experience in executing full life-cycle development projects; ramping-up projects within time, budget & Code quality parameters, as per project management & best practice guidelines**

- Senior Software Engineer, UWP Developer & WPF Developer, having a passion to build & successfully deliver complex, scalable, resilient Software Systems while maintaining a constant customer focus
- Rich experience in the development of Windows and Microsoft Store Application including public safety, GPS, Barcode and Biometric Base Window Applications Development using WPF, UWP, WinUI, Uno Platform & Xamarin Forms
- Championed in all phases of Software Development Lifecycle (SDLC) right from requirement analysis, documentation (functional specifications, technical design), coding and testing (preparation of test cases along with implementation) to the maintenance of proposed applications. Also do the C# & XAML code reviews for improve code quality & detecting bugs.
- Track record of developing applications using Prism, Mvvm Toolkit, Dotnet Core(WebAPI), EF Core & NSwag
- Exhibits excellent technical skills in UWP, WPF & C#; possess a strong understanding of IoT Device i.e., Arduino & Raspberry pi and IoT base development.
- Excellent communicator - delivered functional training/presentations to the client and the internal team.

## EDUCATIONAL QUALIFICATIONS

2011 - 2014 Master's in computer application | Vishveshwarya Institute of Engineering & Technology, Gr. Noida, UPTU  
2008 - 2011 Bachelor's in computer application | Adhunik Institute of Education & Research, Duhai, CCS University

## TECHNICAL SKILLS

**Framework:** Universal Windows Platform (UWP), Windows Presentation Foundation (WPF), WinUI, and Window Forms  
**Languages:** C#, ADO.Net, LINQ, Entity Framework Core, MVVM Framework, & Prism  
**Frontend/UI:** XAML, HTML, CSS, Swagger (NSwag), and Bootstrap  
**.Net Core:** .Net 6, .Net 5, WebAPI using ASP.Net Core 6.0, WPF for Core 6, & Entity Framework Core.  
**Cross Platform:** Uno Platform and Xamarin Form  
**Web Technologies:** Blazor (WASM), ASP.Net Core WebAPI, WebAPI 2, RESTful API, Swagger WebAPI (OpenAPI) and WCF  
**Cloud Technologies:** Azure Active Directory (AAD), Azure App Service, Azure Cosmo DB, Application Insights, Azure Blob Storage, Azure service Bus, and Cognitive Services  
**Software Tools:** Microsoft Visual Studio 2022, 2019 & 2017 and VS Code  
**Backend/BI:** SQL Server, MySQL, SQLite, and MongoDB  
**Version Controls:** GIT, TFS, Azure DevOps, Azure CICD, and GitHub  
**3<sup>rd</sup> Party Tools:** Telerik, Windows Template Studio, NSwag, Template 10, Infragistics, Azure Technologies

## WORK EXPERIENCE

**Senior Software Engineer | [365 Labs \(US Company\)](#) (Payroll: I2K2 Network Pvt. Ltd.)** **Since Oct 2018**

Lead my current project [JMS 365\(jail-management\)](#) team. Have responsibility to plan, develop, test and deploy the JMS 365 and its addons to various clients and agencies by using organization best practices.

- **Software Development:** Contributing to the architecture, design patterns, reliability and scaling of new and current systems; implementing software development strategies to build internally or work with external vendors to develop new or enhance existing features of products. Do code review & code refactoring for maintain code quality.
- **Project Execution:** Monitoring project progress against the delivery schedules and adjust as needed; creating communication methods and presenting the project status to the core team; guaranteeing that the project meets the stated expectations for scope, schedule, Code quality and business goals as defined in the management plan.
- **Cross-functional Collaboration:** Communicate with users, other technical teams and senior management to collect & share project details, describe software product features, technical designs (cross project implementation), and product strategy.

**Software Engineer | [MothersonSumi Infotech & Designs Limited, Noida](#) (Payroll: ExperisIT Pvt. Ltd.)** **May 2017 - Aug 2018**

Development of iGHS WPF applications as a software developer. Focusing on complete projects, enhancing applications and providing software solutions for clients with technological transformations, resulting in business excellence.

- **Managed overall SDLC** viz. scope analysis, requirements study, design, development, testing, rendering application enhancement support while maintaining coordination with stakeholders & providing them with regular updates about the project.
- Met with Technology Managers and the Design Team to discuss the goals and needs of the company.
- Examined current architecture systems, further designed scalable architecture systems for Windows-based applications.
- Identified the hardware and software infrastructure needs to accommodate the company's architectural goals; troubleshoot design flaws and system bottlenecks.
- Performed validation tests to ensure the flexibility and scalability of the .Net environment.

Involved in the planning, testing, troubleshooting and debugging of multiple applications; ensured smooth implementation as per client's requirements. Communicated with clients for requirement gathering, system analysis and finalization of technical/functional specifications and high-level design documents for the project.

- Collaborated with Application Domain Experts within the established process framework.
- Leveraged software engineering and project management skills to solve engineering problems within schedules and suggested quality feature enhancements.
- Conducted analysis & research of industry tools and discovered ways to improve the efficiency of applications & techniques.
- Drove best practices, standards & procedures including quality & delivery methodologies; ensured compliance with documented software processes & procedures throughout the life cycle.
- Delivered post-implementation, application maintenance and enhancement support with regards to software applications

Demonstrated excellence in designing, coding and modifying websites, from layout to function and according to a client's specifications; strived to create visually appealing sites that feature user-friendly design and clear navigation.

## PROJECT UNDERTAKEN

**JMS 365 (UWP) | Client:** 365 Labs | **Team:** 4+ | Jan 2019 Till Date | **Skill Used:** C#, UWP, Prism, Azure, ASP.Net Core API & EF Core

The project involves to use in USA Jails for handling jail booking, inmate management, prison management, court dates and other related stuff. [Read more](#)

**RMS 365 (UWP) | Client:** 365 Labs | **Team:** 10+ | Oct 2018 - Jan 2019 | **Skill Used:** C#, UWP, Azure, Asp.Net Core API & EF Core

The project involved to use by USA police and sheriff for Get reports done in 5 minutes with the smart features of 365™ RMS for public safety. [Read more](#)

**iGHS (Integrated Global Harness System) | Client:** MothersonSumi InfoTech & Designs Limited (MIND) | **Team:** 150+ | May 2017 - Aug 2018 | **Skills Used:** C#, WPF, PRISM, XAML, ADO.Net, & SQL Server

The project involved the 15-year-old software of Motherson Group, it automated the whole process of harness (wiring) system like making, assembling labelling, inspection delivering and global tracking. Redesigned & redeveloped by WPF using PRISM Framework.

**Voice Analytic (Voice Matching Application Software) (WPF) | Client:** ACS Group Pvt. Ltd. | **Team:** 9 | May 2016 - Jan 2017 | **Skills Used:** C#, WPF, WCF, XAML

The project involved WPF based application to match voice using the text-independent algorithm. Use Phonexia SID SDK for voice matching.

**Video Analytic (Face Detection and Matching Application) (WPF) | Client:** ACS Group Pvt. Ltd. | **Team:** 10 | Nov 2016 - May 2017 | **SDK:** EMGU CV (OpenCV), Accord Library & Luxand | **Environment & Skills Used:** Microsoft Visual Studio 2013, WPF, C#, WCF, XAML

The project involved WPF based application, Its Detect Face from CCTV live streaming or offline video and match with a large database of person display result to highest matched person.

## Open-Source Project and Contributions

**DeXcor (UWP App) | Skill Used:** C#, UWP, and XAML

**GitHub:** [github.com/avikeid2007/DeXcor](https://github.com/avikeid2007/DeXcor) **Store:** [microsoft.com/store/apps/9MXBN5NH4J95](https://microsoft.com/store/apps/9MXBN5NH4J95)

Description: Using this, you can browse thousands of high-quality wallpapers and can set them as Windows Desktop Wallpaper.

**Ping Legacy (UWP App) | Skill Used:** C#, UWP, MSIX, and XAML

**GitHub:** [github.com/avikeid2007/Ping-Tool](https://github.com/avikeid2007/Ping-Tool) **Store:** [microsoft.com/store/apps/9P1KVKT59T2M](https://microsoft.com/store/apps/9P1KVKT59T2M)

Description: Ping Legacy gives a legacy experience to test ping to get connection status and quality to network or internet.

**WinDEV Utility (UWP App/WASM) | Skill Used:** C#, UWP with Prism, Uno-Platform and Azure Active Directory

**GitHub:** [github.com/avikeid2007/WinDev-Utility](https://github.com/avikeid2007/WinDev-Utility) **Store:** [microsoft.com/store/apps/9P9M9NJV9246](https://microsoft.com/store/apps/9P9M9NJV9246) **Web(WASM):** [windevutility.avnishkumar.co.in](http://windevutility.avnishkumar.co.in)

**Description:** The project involved WinDev Utility which was a set of utilities for C# full property included property change events, Mvvm Commands (i.e., ICommand, RelayCommand, DelegateCommand, and AsyncCommand) and XAML.

**Labour Pay (Cross Platform UWP, Android, iOS & WASM) | Skill Used:** Uno Platform, C#, XAML, UWP with MVVM, & .Net 6 webAPI

**GitHub:** [github.com/avikeid2007/Covidonus](https://github.com/avikeid2007/Covidonus) **Web(WASM):** [labourpay.avnishkumar.co.in](http://labourpay.avnishkumar.co.in) **Android:** <https://play.google.com/store/apps/details?id=com.avnishkumar.LabourPay>

**Description:** This app is a comprehensive solution designed to streamline the process of managing labour attendance and payments.

**Geo Essential API & Nuget | Skill Used:** Blazor, ASP.NET Core, SQLite, EF CORE

**GitHub:** [github.com/avikeid2007/GeoEssential](https://github.com/avikeid2007/GeoEssential) **URL:** <http://geo.devof.net/>

**Description:** The Geo Essential API provides a way to access all Country, State and city data of world including their flag image.

**Nugets: BasicMVVM | URLs:** [nuget.org/packages/BasicMvvm](https://nuget.org/packages/BasicMvvm) | [github.com/avikeid2007/BasicMvvm](https://github.com/avikeid2007/BasicMvvm)

**Nugets: RichTextControls | URL:** [nuget.org/packages/RichTextControls.UWP/](https://nuget.org/packages/RichTextControls.UWP/) | [github.com/avikeid2007/UWP-RichTextControls](https://github.com/avikeid2007/UWP-RichTextControls)