

# Bhavyom Singh Kushwaha

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## Summary

Software engineer with 4.5 years of experience developing web and desktop applications using .NET and modern web technologies. Focused on writing clean, maintainable code and improving system performance and reliability. Experienced in delivering internal tools and large-scale business applications through close collaboration with cross-functional teams. Driven by continuous learning, ownership, and the goal of building software that creates real value.

## Experience

### Software Engineer, Sim Logic, Inc. – Van Nuys, CA

Oct 2024 – Present

- Developed plugin software using C++ and Lua for seamless hardware interaction with a high-fidelity flight simulator, collaborating with cross-functional teams to ensure effective integration during the development stage
- Built an in-house configuration management software(Command Center App) using Blazor(.NET), reducing manual configuration efforts by automating the generation and management of configuration files
- Designed and drafted the database architecture for the Command Center App, ensuring data integrity, scalability, and efficient configuration management
- Implemented user authentication, authorization, and profile management, enhancing system security and access control
- Created a versioning system for configuration files to maintain change history and rollback support
- Automated CI/CD pipelines with YAML scripts, reducing deployment time by enabling continuous testing and automatic deployment to Azure Blob Storage
- Coded desktop applications using Qt, C++, and AI tools to efficiently fetch and update configuration data from Azure via REST APIs, improving operational speed and accuracy
- Contributed to the design and development of the company website, ensuring modern UI and responsive layout

### Software Engineer, Emtec Inc. (Acquired by Bridgenext) – Pune, India

Feb 2022 – Aug 2022

- Programmed an insurance product to create a user-friendly quote application with data from multiple underwriters
- Authored 50+ REST APIs and function app projects using .NET Core, MSSQL, and Microsoft Azure
- Optimized and refactored over three modules in both front-end and back-end code, reducing latency by 30%
- Improved application performance, leading to a more efficient quote application, reducing loading times by 40%

### Software Engineer, Clover IT Services Private Limited – Jaipur, India

Mar 2019 – Apr 2020

- Fostered MLM product efficiency by 20% by utilizing .NET Core, ADO.NET, and T-SQL, with frontend enhancements through AngularJS
- Provided global support counseling, resolving 40 weekly technical issues and maintaining high levels of client satisfaction
- Boosted productivity by 10% through the creation of an in-house productivity tool employing Entity Framework
- Led the development efforts for a Project Management System utilizing .NET Core, Entity Framework, and Angular 8
- Implemented Selenium automation in Visual Studio, reducing testing time by 50% and increasing coverage by 30%

### Software Engineer, Kansoft Solutions Private Limited – Udaipur, India

Jun 2017 – Feb 2019

- Integrated Teleshopping CRM and ERP software with 8 new modules and collaborating with 10 clients
- Leveraged .NET Framework to meet specific business needs and upgraded 7 modules for marketplace and dealer products, boosting system efficiency and user experience
- Drafted 75+ REST APIs and implemented ERP-3<sup>rd</sup> party logistics integration using C# and web services (REST and SOAP)
- Resolved 200+ bugs promptly, ensuring timely releases and reinforcing product stability by 25%

## Education

### Master of Science, Computer Science, California State University Fullerton (CSUF), Fullerton, CA

May 2024

### Bachelor of Technology, Computer Science and Engineering, MPUAT, Udaipur, India

Jun 2017

## Technical Skills

**Languages:** C#, Transact-SQL, Python, JavaScript, HTML5, CSS, C, C++

**Tools, Frameworks and Libraries:** .NET Core, .NET Framework, Entity Framework Core, ASP.NET, MVC, Django, NUnit, xUnit, jQuery, Angular, React, Node.js, Express.js, Razor, Blazor, LINQ, TypeScript, Bootstrap, Qt, Google Cloud Vision, Microsoft Azure, REST API, SOAP, MS SQL Server, NoSQL Databases, CI/CD, OOP, OOD, Visual Studio, Postman, Azure DevOps, AI tools