

Bhavyom Singh Kushwaha

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Summary

Performance-driven Full-Stack Software Engineer with almost 5 years of experience specializing in the Microsoft stack (C#, .NET Core, Blazor). Skilled in system design, microservices, and building scalable applications with measurable performance gains. Experienced in automation, Azure-based CI/CD, and modern AI tools to deliver high-quality, maintainable software.

Technical Skills

Core Development and Design: C#, .NET Core, .NET Framework, ASP.NET, Blazor, Entity Framework, LINQ, T-SQL, SQL, HTML5, CSS3, Bootstrap/SCSS, JavaScript, TypeScript, Angular 8, AngularJS, React, jQuery, REST API, Web API, MVC, Microservices, Service-oriented architecture, Clean architecture/Layered architecture, Dependency Injection, System Design

Databases & Data Stores: Microsoft SQL Server, Azure SQL, NoSQL (Apache Cassandra), experience with schema design

Cloud & DevOps/Infrastructure: Microsoft Azure, Azure DevOps (CI/CD pipelines and automation, YAML), Docker, Git

Testing & Quality Assurance: Unit testing (xUnit, NUnit), automation testing (Selenium), automated test pipelines

Big Data, AI/ML & Data Processing: Python, PyTorch, TensorFlow, Apache Spark, Apache Kafka, AI Tools(ChatGPT, Copilot)

Experience

Software Engineer, Sim Logic, Inc. – Van Nuys, CA Oct 2024 – Present

- Developed the Command Center App (Blazor/.NET), automating configuration management and reducing file creation time from 20 minutes per aircraft to a single click
- Engineered a critical flight simulator plugin in C++/Lua to enable real-time hardware interaction and system integration
- Designed and implemented a scalable database architecture, ensuring data integrity to support configuration workflows
- Built Qt/C++ desktop applications for embedded systems, providing real-time hardware health and connectivity insights
- Automated CI/CD pipelines with Azure DevOps (YAML), accelerating deployment cycles and improving release reliability

Software Engineer, Emtec, Inc. (Acquired by Bridgenext) – Pune, India Feb 2022 – Aug 2022

- Drove core application performance by optimizing and refactoring three major modules, reducing latency by 30%
- Coded 50+ REST APIs and Azure Function Apps (.NET Core, MSSQL) to support multi-carrier insurance quoting
- Collaborated with underwriters and engineering teams to integrate data from multiple carriers, enhancing quoting accuracy and user experience
- Mentored two junior engineers on database design and production best practices

Software Engineer, Clover IT Services Private Limited – Jaipur, India Mar 2019 – Apr 2020

- Improved QA efficiency by using Selenium automation, reducing testing time by 50% and increasing coverage by 30%.
- Led development of Project Management System using Entity Framework and Angular 8, improving team workflow
- Optimized the core MLM product by enhancing .NET Core backend logic, T-SQL queries, and AngularJS components, increasing overall product efficiency by 20%
- Created an in-house employee task tracking tool with Entity Framework that boosted team productivity by 10%

Software Engineer, Kansoft Solutions Private Limited – Udaipur, India Jun 2017 – Feb 2019

- Authored 75+ REST APIs and implemented complex ERP–3PL(Third-Party Logistics) integrations using C#, REST, and SOAP services to streamline logistics workflows
- Integrated Teleshopping CRM and ERP systems by developing 8 new modules and collaborating with 10 external clients
- Resolved 200+ production-critical defects, enabling timely releases and improving overall product stability by 25%
- Upgraded 7 major modules for marketplace and dealer applications using the .NET Framework, significantly enhancing system efficiency and user experience

Projects

SmartReceipts (AI|React|Node|GCP|LLMs) – Devised a React + Node.js system using Google Cloud Vision and HuggingFace LLMs to extract and classify receipt items, generating multi-sheet Excel reports via ExcelJS.

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