

# Bhavyom Singh Kushwaha

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## Experience

**Software Engineer**, Sim Logic Inc. – Los Angeles, CA Oct 2024 – Present

- Develop plugins and communication software using C++ and Blazor for seamless hardware interaction with a high-fidelity flight simulator, collaborating with cross-functional teams to ensure effective integration during the development stage.

**Teaching Associate**, California State University Fullerton – Fullerton, CA Jan 2024 – May 2024

- Taught a class of 44 undergraduates full-stack development using ReactJS for frontend and Django for backend while creating lesson plans and providing support during office hours

**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, resulting in a 30% reduction in latency
- 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) May 2024

**Bachelor of Technology, Computer Science and Engineering**, MPUAT, Udaipur, India Jun 2017

## Technical Skills

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

**Framework and Libraries:** .NET Core, .NET Framework, Entity Framework, ASP.NET, MVC, Web forms, Django, NUnit, xUnit, Angular 8+, React, Node.js, Express.js, jQuery, Bootstrap, WCF, Razor, Blazor, TypeScript, CI/CD, AJAX, ADO.NET, MongoDB

**Other tools and techniques:** Microsoft Azure, REST API, MS SQL Server, Git, Visual Studio, Postman, Azure DevOps, JIRA, OOP, Dependency Injection, Agile Methodology, Debugging, Communication, Problem-Solving, Team-oriented, Collaboration

## Projects

**Smart Receipts(Node.js, Express.js, ReactJS, Google Cloud Vision)**

- Engineered *SmartReceipts*, an automated receipt management tool leveraging Google Cloud Vision API and machine learning models to extract, classify, and analyze receipt data, generating detailed Excel reports for expense tracking.

**Hand Written Digit Recognition (Python, PyTorch, TensorFlow)**

- Devised an application to recognize handwritten digits in the Scikit-learn dataset, achieving an impressive recognition rate of 95%. It can also be extended to incorporate the MNIST dataset

**Streamify (ReactJS, Django)**

- Built a scalable text streaming project using Apache Kafka, Spark, and Cassandra on Linux. The project can efficiently process and store large data sets with millions of records, enabling real-time insights