# Akriti Singh

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## WORK EXPERIENCE

**Paychex IT Solutions**

Software Engineer          Nov 2023 - Sep 2024

- **Collaborated within an Agile environment** to deliver **scalable and high-performance software solutions** for the Time and Attendance domain, achieving on-time project completion and maintaining 99% uptime.
- **Designed and developed user-centric front-end interfaces** using **ReactJS**, enhancing **user experience by 30%** through intuitive and responsive design.
- **Implemented robust back-end functionalities** using **ASP.NET**, achieving **25% performance improvement** and ensuring high application reliability with minimal downtime.
- **Identified and resolved security vulnerabilities** by conducting comprehensive code reviews and implementing OWASP guidelines, leading to a **50% reduction in potential security threats** and safeguarding sensitive data.
- Participated in **code reviews, sprint planning,** and **daily stand-ups** to ensure **cross-functional team alignment** and maintain a **consistent 98% quality** score in development deliverables.

**Cognizant Technology Solutions**

Programmer Analyst trainee          March 2023 - June 2023

- **Developed applications using Java and Spring Framework,** ensuring **robust and scalable back-end solutions.**
- Enhanced **front-end development skills with JavaScript**, delivering interactive and user-friendly interfaces.
- Gained proficiency in **Database Management Systems (DBMS) by leveraging SQL** for efficient data handling and query optimization.
- Utilized Selenium for **automation testing**, streamlining workflows and validating functionalities with high accuracy.
- Executed a practical automation testing project on the "Practo" website, showcasing expertise in testing methodologies and tools

## SKILLS

- ASP.NET, C#
- ReactJS
- JavaScript
- Entity Framework
- HTML, CSS
- SQL, LINQ
- JIRA, AGILE
- GitHub

## PROJECTS

**Weather Forecasting (ReactJS)**

- **Developed a modern and responsive** weather application that enables users to search and view **real-time weather** updates for any city.
- Integrated the **OpenWeatherMap API** to fetch and display accurate, up-to- date weather data, including temperature, humidity, pressure, wind speed, and weather conditions.
- Designed a **user-friendly interface** using **React** for dynamic rendering and **Bootstrap 5** for a responsive, mobile- first layout.
- Utilized industry-standard technologies, including React **(UI development)**, Bootstrap 5 (**responsive design**), and the OpenWeatherMap API **(real-time data integration).**

**Time Card Batch Action - Paychex Flex**

- Designed and developed responsive and **dynamic user interface** components using **React**, ensuring cross-device compatibility and optimal performance.
- Built and integrated **RESTful APIs with ASP.NET,** facilitating seamless communication between the frontend and backend for core functionalities like clock-in/clock-out and attendance tracking.
- **Implemented Redux** for efficient state management, ensuring data consistency, synchronization, and improved application performance.
- **Optimized system scalability and performance** by refining **API calls** and effectively managing frontend **state, achieving** reliable and scalable software solutions.

**Employee Management System (React with .NET**

- Built responsive **user interfaces** with **React**, leveraging **Hooks** and **Redux** for state management in employee and role management systems.
- Developed robust **RESTful APIs using ASP.NET Core** for seamless **CRUD operations** and integrated error handling.
- Designed and optimized relational databases with **Entity Framework** and **SQL Server**, enhancing performance with indexing and query optimization.
- Ensured **data integrity** and security with input validation, authentication, and OWASP compliance on both client and server sides.
- Streamlined collaboration using **GitHub** with pull requests, **code reviews**, and CI workflows in an **Agile environment.**

## EDUCATION

**University of Allahabad**

Bachelor of Vocation (IT) - 67%

**Chandigarh University**

Master's of Computer Applications - 8.19

## HOBBIES AND INTEREST

- Reading Books
- Cycle
- Swimming