

Sai Tarun Pagudala

Looking forward to securing a challenging position in an organization where I can expand my knowledge, learnings, and skills. I am a team player who thrives in collaborative environments and values the exchange of ideas. With a strong curiosity to learn and adapt, I am eager to take on new challenges. I enjoy analyzing complex problems and devising effective solutions that contribute to organizational success.

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EXPERIENCE

Engineer, IT Software American Airlines

03/2025 - Present

Achievements/Tasks

- Working on the **Drug and Alcohol Record Management application**, responsible for designing and implementing logic for randomized drug testing across all fleet and transportation employees.
- Rewrote several legacy features, upgrading from MVC to the latest .NET and React stack for improved maintainability and performance.
- Contributed to the **Pilot Hiring application** by developing a feature to capture and filter pilots based on flying hours, streamlining candidate selection and making the process highly efficient for HR

Software Engineer-2

NCR Voyix (formerly known as NCR Corporation)

02/2021 - 03/2025

4 years, 1 month

Software Developer working on a highly configurable, cloud-based POS solution designed for businesses of all sizes.

Tasks

- In the backend, all microservices are RESTful web services. Feature and functionality development follows a Behavior-Driven Development (BDD) approach, with SpecFlow for .NET serving as the BDD framework. Additionally, we also work on unit tests to ensure the correctness of individual components, increasing code coverage and reliability.
- The front-end apps consist of a Configuration Manager (web app) and Web POS, built with React.js and Next.js as the framework. All front-end applications interact with the backend microservices through their respective BFFs, which are implemented in Node.js using the Express.js framework.
- Worked on a customer requested feature to handle two concurrent transactions, allowing cashier to switch between them seamlessly. Both transactions can independently manage payments.
- Integrated a third-party payment provider system with our next-generation POS for processing payments.
- Developed a service which can execute a command for collecting logs or changing the log level at any level of the application hierarchy. The command can be only issued from the topmost (root) level of the hierarchy.
- Fixed several internal and production-critical bugs with quick analysis and resolution, delivering a hotfix DLL within a day for immediate deployment.

SKILLS

C#

Javascript

Typescript

Java

Python

.NET Core

.NET Framework

React

MSSQL

Git

TFS

PROJECTS

California House Value Prediction

[saitarunpagudala/ML_1](#)

Dependency Injection Container

[saitarunpagudala/DIContainer](#)

EDUCATION

M.Tech - Artificial Intelligence and Machine Learning
Birla Institute of Technology and Science, Pilani
(2025 - 2027)

B.Tech - Computer Science Engineering
Keshav Memorial Institute Of Technology
(2017 - 2021)

CGPA 7.8

LANGUAGES

Telugu

Full Professional Proficiency

Hindi

Full Professional Proficiency

English

Full Professional Proficiency

INTERESTS

Tech

Badminton

Movies

Chess