

Devendra Pratap Singh

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SUMMARY

Principal Engineer with 10+ years of experience building scalable systems across backend and frontend layers. Strong focus on system design, performance optimization, and developer tooling. Experienced in React-based frontend applications, data flow design, and building high-impact user-facing systems.

SKILLS

Frontend	JavaScript, ReactJS, HTML, CSS
Backend	Node.js, Python, Go, Java, PHP
Databases	Postgres, MongoDB
Others	System Design, Performance Optimization, Distributed Systems

WORK HISTORY

Spinny | *Principal Software Manager*

Official Cricket NFT Provider | October 2025 to Present

- ✦ Led the Python runtime upgrade from 3.7 to 3.10 across services, improving the security posture and unlocking modern typing/performance improvements.
- ✦ Improved developer experience and debugging visibility across services, enabling faster issue resolution impacting both backend systems and frontend-facing workflows.
- ✦ Designed and optimized user-facing workflows and dashboards to improve assignment visibility and reduce operational TAT from 4 days to less than 0.5 day.
- ✦ Migrated millions of car part inventory records and restructured the database schema, optimizing indexes and query plans to improve read/write performance and reliability during peak operations.

Faze Technologies | *Engineering Manager*

Official Cricket NFT Provider | April 2024 to August 2025

- ✦ Led the successful migration of cloud infrastructure from AWS to Google Cloud Platform (GCP), improving scalability and cost efficiency.
- ✦ Re-architected the system to remove direct blockchain dependencies by making the database the primary source of truth, implementing background synchronization for NFTs and funds, and reducing transaction times from minutes to seconds for end users.
- ✦ Designed and implemented a comprehensive accounting system to track all fund flows, including user transactions, platform revenue, and fees, ensuring transparent and accurate financial reporting.
- ✦ Integrated Google Cloud Platform (GCP) Secret Manager, enabling secure management of sensitive configuration data for both local and server environments, ensuring that secrets remain protected and inaccessible to developers.

Zynga Gaming | *Software Developer Engineer 2*

Connecting the world through games | September 2018 to July 2023

- ❖ Optimized in-game memory usage from 40MB to 200KB by refactoring game asset data mapping, resulting in significant performance improvements.
- ❖ Accelerated the pre-release process, reducing execution time from nearly 2 hours to just 15 minutes through process optimization.
- ❖ Designed and developed a system that enables custom scripts to run during game load without requiring a new release, allowing for greater flexibility and faster updates.
- ❖ Designed and developed the end-to-end automation setup for the reskin feature in Farmville 3, streamlining the process and significantly reducing manual effort.
- ❖ Eliminated the need for archiving legacy features by designing dynamic, modular game-setting objects that load based on feature completion, enhancing scalability and maintainability.

BookMyShow | *Software Developer Engineer*

India's largest ticket-booking platform | November 2016 to September 2018

- ❖ Engineered an Identity Access Management (IAM) tool leveraging LDAP, providing centralized control over internal projects and user access to company resources.
- ❖ Designed and developed a Universal Access Portal integrating all internal projects within the organization, with robust Identity and Access Management (IAM) roles for secure and centralized user access.
- ❖ Built a robust health monitoring tool to track and report cinema status in real time, improving operational reliability.
- ❖ Led the end-to-end development of a queue manager middleware solution, including an integrated monitoring tool for improved system performance and transparency.

Incture Technologies | *Software Engineer Developer*

Leading customer engagement technology company | July 2015 to October 2016

- ❖ Contributed as part of the team to the end-to-end design and implementation of a system that enables seamless data access from SAP systems to non-SAP back-end systems and mobile services.
- ❖ Worked as part of the team to develop a mobile client application for SAP PO monitoring, improving accessibility and operational efficiency.
- ❖ Contributed as part of the team to the end-to-end design and development of the HR Admin module for CherryWork, delivering a robust and user-friendly solution.

SIDE PROJECTS

Default Tamer | 2026

Designed and built a SwiftUI macOS default-handler router to control link-opening behavior using a rule-based engine/

GitPlus - VSCode Extension | 2025

Developed a VS Code extension to streamline Git workflows by improving history visibility and commit hygiene.

PingPong HTTP Agent and CLI - NPM Package | 2025

Created a developer-friendly HTTP agent and CLI for API creation, testing, supporting collections, request replay, and env management.

EDUCATION

B.Tech in Computer Science and Engineering | 2011-2015

National Institute of Technology, Bhopal

6.4CGPA