

# Shilendra Singh

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## Professional Summary

**Full Stack Developer** with experience in building web applications using **React, Node.js, Express**, and **PostgreSQL**. Comfortable working with **RESTful APIs**, version control (**Git**), and modern frontend libraries. Fully deployed a project on **AWS ECS, ECR, RDS** - **dodesk.app**

## Skills

**Languages:** JavaScript, TypeScript, Java, SQL

**Frontend:** React, NEXTjs, Tailwind CSS, HTML5, CSS3

**Backend:** Node.js, Express, REST APIs

**Databases:** PostgreSQL, MongoDB, MySQL, PrismaORM

**DevOps/Tools:** Docker Containerization, Git, GitHub, AWS - ECR, ECS, RDS

**Data Structures and Algorithm:** Solved over **200+ problems**

## Projects

**do'desk – Fast, Modular Product Ops. System** - *dodesk.app* *NEXTjs, TypeScript, PrismaORM*

Developed a collaborative project management tool tailored for product teams, featuring Kanban boards, rich-texts, and role-based team access. Built on PERN stack and TypeScript, using modular APIs and custom React hooks. Fully deployed on AWS ECS, ECR, and RDS to ensure scalability, performance.

- **Enterprise-Grade Authentication, Authorization System** - BetterAuth with JWT tokens, implementing role-based access control (RBAC) with workspace-level permissions (admin/member). Integrated Google OAuth 2.0 with secure token storage and email verification workflows.
- **Advanced State Management with Zustand — Optimistic Updates** - state architecture using Zustand with normalized data structures, featuring optimistic UI patterns with automatic rollback on API failures.
- **Rich Text Editor Integration with TipTap** - Integrated TipTap rich text editor with custom extensions for task descriptions, implementing collaborative editing features, markdown support, and real-time content synchronization with auto-save functionality.
- **Multi-Step Onboarding Flow with Framer Motion** - Designed immersive 5-step onboarding experience using Framer Motion with staggered animations, progress tracking, and dynamic content rendering.
- **Advanced Data Table with React Table — Grouping** - Built sophisticated data table system using TanStack React Table with server-side pagination, multi-column sorting, and dynamic grouping by issue status.
- **PostgreSQL Schema with Prisma ORM** - Designed normalized PostgreSQL schema with 12+ tables, implementing referential integrity through 15 foreign key constraints with cascade delete policies.

**AiEssay – Essay generation using AI** - *Open Website*

*Node, React, ExpressJs*

Developed intelligent essay generation system using Hugging Face's mistralai/Magistral-Small-2506 model via the official @huggingface/inference SDK. Implemented dynamic content generation based on user-specified topics and word counts, achieving high-quality, contextually relevant essay outputs

- **Advanced UI/UX with Framer Motion** - Designed elegant user interface with smooth animations using Framer Motion, implementing blob-based animated backgrounds with pure CSS. Created responsive design patterns with intuitive form controls for topic input and word count selection.
- **AI Model Integration — API Management** - visual calendar dashboard showing completed habits using heatmaps and percentage-based progress indicators.
- **Performance-Optimized Frontend** - Implemented lazy loading, code splitting, and efficient state management for smooth user interactions during AI processing.

## Education

**B.Tech – Computer Science and Engineering**

*Bikaner Technical University, Rajasthan*

**Session:** 2022 - 2026

**CGPA:** 8/10