

# Pradeep Yadav *Software Engineer*

✉ pradeep.py725@gmail.com

☎ +919820482569

📍 Thane, Maharashtra

🌐 [linkedin.com/in/pradeep-psy](https://www.linkedin.com/in/pradeep-psy)

## SUMMARY

Results-driven Software Engineer with 3 years of experience building scalable web applications. Skilled in React, TypeScript, and state management, with a strong track record of modernizing systems and improving performance. Experienced in real-time, high-traffic platforms and full-stack development using Node.js and Ruby on Rails.

## WORK EXPERIENCE

### Software Engineer

CodeHall Technology Pvt Ltd

04/2023 – 11/2025

US Tech Client (Exam & Assessment Platform)

Tech Stack: React, Typescript, Mobx, Ruby on Rails, PostgreSQL.

- Rebuilt a large-scale, production exam-taking platform for a US-based tech client from scratch, modernizing a slow legacy UI and improving page responsiveness and interaction performance by 40-50%.
- Delivered exam question workflows (MCQ, MSQ, Likert, essay) used by thousands of users, collaborating with the team to implement scalable, high-traffic features.
- Led implementation of single-node annotations and contributed to scaling the system to multi-node, preserving order, and reducing defects by 60%.
- Contributed to backend development using Ruby on Rails by building REST APIs, implementing CRUD operations, and writing database migrations to support new features and data relationships.
- Developed comprehensive integration tests for user flows (annotations, navigation, etc.), reducing manual testing effort by 50% and significantly lowering regression issues during releases.
- Owned front-end accessibility initiatives by implementing WCAG-compliant enhancements, enabling support for users with disabilities and expanding platform usability for a broader candidate base.
- Collaborated with product and planning teams on technical execution, reviewed code, and mentored junior developers, reducing rework and improving delivery speed and code quality.

## PROJECTS

### Tracking Time [🔗](#)

- Developed an intuitive time tracking application to manage daily, weekly, and monthly tasks efficiently
- Implemented CRUD operations for tasks and personal notes to allow easy data management
- Managed application state and data flow using Redux for better performance and consistency
- Designed a user-friendly interface using Chakra UI to enhance user experience
- Built backend services with Node.js and MongoDB to store and handle user data securely

### Quiz App [🔗](#)

- Developed a full-stack quiz application to test general knowledge with an interactive user interface
- Implemented secure login/signup system with role-based authentication and protected routes
- Built an admin portal to add and manage quiz questions using a structured backend schema
- Designed user dashboard with charts to display performance and knowledge insights based on scores
- Created a unique “magic trick” result feature with custom backend logic and UI implementation

## EDUCATION

### Masai School

Full Stack Web Development

01/2022 – 10/2022 | Bengaluru

### Sheth J.T.T. College, Mumbai University

Bachelor of Science in Information Technology

06/2017 – 10/2020 | Thane

## SKILLS

### Frontend

React, TypeScript, Redux, Mobx, Tailwind CSS, HTML, CSS, JavaScript (ES6+).

### Database

PostgreSQL, MongoDB, ClickHouse.

### Data & Analytics

Apache Superset, Schema Design, ELT Pipelines, Data Modeling.

### Backend

Node.js, Express.js, Ruby on Rails, FastAPI.

### DevOps

Docker, Kubernetes, CI/CD, AWS (S3).

### Soft Skill

Time-management, Communication, Analytical thinking, Adaptability