

# Pradeep

Software Development Engineer | 1.8 Years

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## Skills

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- Javascript | HTML | CSS | Bootstrap | Tailwind CSS
- React | Hooks | Node.js | ExpressJs | RESTful API | ORM | JWT | OAuth 1.0 | OAuth 2.0 | PassportJS
- SQL | MySQL | MongoDB | Mongoose
- Linux | Git & GitHub | GitHub Actions & Workflows
- Front-End | Back-End | Full Stack | Agile Methodologies Experience | Jira

## Professional Experience

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Working as a **Software Development Engineer**, at **Accolite Digital** May 2023 - Current

## Projects

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**CRM Management** May-2023 - Jun-2024

- A CRM Management System for Mechanical Product Sales and Services is a software solution designed to streamline customer relationship management in the mechanical industry.
- The system enables efficient management of customer data, sales leads, and service requests related to mechanical products.
- Provides features such as lead tracking, opportunity management, contact management, and service ticketing for effective sales and service processes.
- The CRM system facilitates seamless communication between sales teams, service technicians, and customers to ensure timely and satisfactory resolution of inquiries, orders, and service requests.
- By centralizing customer information and automating key processes, the software improved productivity, customer satisfaction, and sales performance in the sales and services industry of mechanical products.

**ED Konnect** Jun-2024 - Current

- EdKonnect is an EdTech web application built on the MERN stack to provide quality education to underserved communities.
- It features a customized curriculum, multilingual support, and progress tracking to create a personalized learning experience.
- The platform includes offline mode and a responsive design to ensure accessibility in low-connectivity areas and across devices.
- Community engagement tools and teacher resources enhance collaboration and support effective teaching.
- Affordable access and partnerships with local organizations expand its reach and impact.
- Using modern technology, EdKonnect promotes inclusivity and improves education accessibility.

## Roles and Responsibilities

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- Implemented responsive and interactive user interfaces using React.js, HTML5, CSS, and modern UI frameworks.
- Designed and developed RESTful APIs using Node.js and Express.js, adhering to best practices for scalability and performance.
- Designed and implemented database schemas using Mongoose, ensuring optimized and scalable data models for MongoDB.
- Developed and executed CRUD operations on MongoDB collections to handle dynamic data requirements effectively.
- Implemented authentication and authorization mechanisms using JWT (JSON Web Tokens) to secure user access and protect API endpoints.
- Managed user sessions and permissions with role-based access control (RBAC) to ensure secure data access.
- Utilized state management libraries such as Redux and Context API to manage application state and ensure synchronized data flow in React applications.

- Worked with React hooks like useEffect and useState for managing state and side effects in functional components.
- Configured React Router for dynamic client-side routing in Single Page Applications (SPAs).
- Wrote reusable, testable, and efficient code for high-performance and low-latency applications.
- Created comprehensive documentation for REST APIs, including endpoints, request/response formats, and authentication methods to support client integration.
- Conducted cross-device and cross-browser compatibility testing to ensure consistent performance on Chrome, Firefox, and other browsers.
- Used Git for version control, with regular code maintenance and collaboration through GitHub.
- Integrated third-party APIs and services to extend application functionality and improve user experience.
- Applied SEO best practices, including meta tags and structured data, to enhance web application visibility and ranking.
- Managed project dependencies and versioning using NPM for efficient module management.
- Collaborated with cross-functional teams, including developers, designers, and stakeholders, to deliver high-quality, strategic solutions.
- Worked extensively on performance optimization of React applications, including lazy loading and memoization.
- Contributed to the development and customization of modules as per client requirements while meeting deadlines and quality standards.
- Actively participated in Agile development environments, adapting to changing requirements and delivering iterative improvements.

## Education

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- **Cauvery Institute of Technology Mandya**, BE in Electronics and Communication
- **PES PU College Mandya**, CBSE Board
- **AB Vidya Kendra Mandya**, CBSE Board

## Awards

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In recognition of valuable contributions to the organization, I have received **2 Spot Awards** for the fiscal Year 2023 and 2024

## Articles

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**Build your docker images 1000% smaller using Multi-staging and Distroless image** – *medium.com*

## Personal Details

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Father Name - **Basavaraju**

PAN - **CXJPP5039E**