

# Pradeep

Full Stack Developer | 5 Years

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## Technical Skills

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- **Languages:** JavaScript, TypeScript, Python, HTML5, CSS3.
- **Frontend:** React.js, Angular, Next.js, Redux, Context API, React Hooks, Bootstrap, Tailwind CSS, Material UI, Webflow, Vite, Responsive Design, Performance Optimization.
- **Backend:** Node.js, Nest.js, Express.js, RESTful APIs, WebSockets, Prisma, Workers, Kafka, Datadog.
- **Testing:** Vitest, Jest, Postman.
- **Databases:** MongoDB, MySQL, PostgreSQL, Redis.
- **Cloud & DevOps:** AWS (EC2, Cognito, SES, SQS, S3), Azure (Speech Services), Docker, CI/CD Pipelines.
- **AI/ML Integration:** OpenAI API, Claude API, Multi-LLM Orchestration, OCR (Optical Character Recognition), Speech-to-Text.
- **Tools & Practices:** Git, GitHub, Postman, Jira, Agile/Scrum
- **Architecture & Design:** Microservices, Multi-Tenant SaaS, Real-Time Systems, Event-Driven Architecture, OOP.
- **AI-Assisted Development Tools:** Claude (Local & API), Google Gemini / AI Studio, bolt.new, Emergent.sh.

## Professional Experience

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### Senior Software Engineer

Apr 2023 – Present

#### ORO AI LLC

- Leading a team of 9 members in delivering scalable full-stack applications using Angular, React, Next.js, Node.js, Nest.js, and Python
- Serving as code owner for core services, reviewing and approving pull requests to ensure high code quality, performance, and maintainability
- Owning end-to-end feature delivery from requirement analysis to production deployment within a microservices-based environment
- Implemented event-driven workflows using Kafka and Redis to support real-time data processing and system scalability
- Integrated AI-driven capabilities using OpenAI and Claude APIs, enabling OCR-based intelligent document automation
- Collaborating with product and architecture teams, contributing to sprint planning, CI/CD workflows, and release management

### Freelance Full-Stack Developer (MERN Stack)

Jan 2021 – Apr 2023

- Delivered 4+ production-grade full-stack web applications for international clients across SaaS, e-commerce, and analytics domains
- Designed and developed RESTful APIs, JWT-based authentication systems, and optimized MongoDB schemas handling high-volume data
- Deployed and maintained applications on AWS and Vercel, ensuring high availability and smooth CI/CD processes
- Improved application performance through query optimization, caching strategies, and frontend best practices
- Managed complete project lifecycles including requirement gathering, technical design, development, deployment, and client communication

## Key Projects

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### ORO AI – Multi-Tenant AI Workforce SaaS Platform

- Scalable SaaS platform unifying career development, recruitment, staffing workflows, and enterprise team management.
- Serves Job Seekers, Recruiters, US IT Staffing firms, and companies via role-based AI-powered digital workspaces.
- Key features include AI Note Taker, Task Board, Resume Builder, Job Board, Recruiter Hub, Converse (workspace communication), and more.
- Centralized automation-first platform to streamline workforce operations and enhance productivity.

**Tech Stack:** Angular, React, Next.js, Node.js, Nest.js, Python, AWS, Kafka, Redis, PostgreSQL/MongoDB

### IAMJ – International Ayurvedic Medical Journal

- Professional journal platform showcasing research articles, case studies, and reviews in Ayurveda for global audiences.
- Features article management, categorization, search functionality, and user-friendly reading interface for researchers and practitioners.
- Supports publication workflow, including article submission, editorial review, and online publishing.
- Centralized digital repository enhancing global accessibility of Ayurveda medical knowledge.

**Tech Stack:** React.js, Node.js, Express.js, MongoDB, AWS (EC2, S3), REST APIs

### ED Tech – Educational Platform

- Educational platform enabling tutors to upload classes, conduct live sessions, and provide online materials.
- Users can subscribe to courses, book live classes, and purchase materials via a seamless, user-friendly interface.
- Platform ensures smooth content delivery and high user engagement, enhancing overall learning experience.

**Tech Stack:** React.js, Node.js, Express.js, MongoDB, AWS (EC2, S3), WebRTC

### Dial Direct – Virtual Phone Number & Messaging Platform

- Platform allowing users to purchase virtual phone numbers with customizable packages for minutes and usage.
- Supports multiple virtual numbers per user with separate packages for each number.
- Enables full communication functionality, including incoming and outgoing calls and messages.
- Centralized platform to simplify business and personal communications.

**Tech Stack:** React.js, Node.js, Express.js, MongoDB, Plivo API, AWS (EC2, S3), WebRTC

## Roles & Responsibilities

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- **Develop Scalable UI Components** – Build modular, reusable, and maintainable UI components using React.js, Angular, Next.js, and TypeScript for large-scale applications.
- **State Management** – Implement complex state management using Redux, Redux Toolkit, React Query, or Context API for optimized frontend data handling.
- **Performance Optimization** – Optimize frontend performance using lazy loading, memorization, virtualization, and code splitting techniques.
- **Component-Based Architecture** – Follow best practices for component reusability and maintainability across multiple projects.
- **Responsive & Accessible UI** – Ensure applications are mobile-friendly and follow WCAG accessibility standards for inclusive design.
- **Testing Frontend Code** – Write unit, integration, and E2E tests using Jest, React Testing Library, and Cypress for UI stability.
- **Reusable Hooks & Utility Functions** – Create and maintain custom React hooks and utility functions to streamline frontend logic.
- **Third-Party Integrations** – Integrate external libraries, payment gateways (Stripe), messaging APIs (Plivo), authentication providers (OAuth/JWT), and AI services (OpenAI/Claude).

- **Develop RESTful APIs** – Design, build, and optimize backend API endpoints using Node.js, Express.js, and Nest.js.
- **Microservices & Monolithic Architecture** – Implement scalable microservices and maintain/optimize monolithic applications as needed.
- **Authentication & Authorization** – Implement JWT, OAuth, session-based authentication, and role-based access control for secure systems.
- **WebSocket & Real-Time Features** – Build real-time messaging and notification systems using Socket.io and event-driven architectures.
- **Error Handling & Logging** – Implement centralized error handling and logging using Winston, Morgan, and ELK stack.
- **API Documentation** – Maintain Swagger/OpenAPI documentation for clear collaboration and faster onboarding.
- **Secure Backend Implementation** – Apply best security practices including rate limiting, CSRF/XSS protection, and data encryption.
- **Unit & Integration Testing (Frontend & Backend)** – Write automated tests using Jest, Vitest and React Testing Library for reliability.
- **LaTeX Template Development** – Create and maintain 20+ reusable LaTeX templates using Node.js for reporting, documentation, and content generation.
- **Code Reviews & Refactoring** – Conduct peer reviews, enforce coding standards, and refactor legacy code for maintainability.
- **CI/CD Pipelines** – Set up automated build, test, and deployment pipelines using GitHub Actions, Azure DevOps, or GitLab CI.
- **Containerization & Orchestration** – Work with Docker and Kubernetes for containerized deployments and scalable microservices orchestration.
- **Agile & Scrum Methodologies** – Participate actively in sprint planning, daily standups, retrospectives, and backlog grooming.
- **Cross-Team Collaboration** – Collaborate with product managers, designers, QA, and other engineering teams for seamless project execution.
- **Mentorship & Technical Leadership** – Guide junior developers, conduct knowledge-sharing sessions, and enforce coding best practices.
- **Documentation & Knowledge Sharing** – Maintain technical documentation, architecture diagrams, and reusable templates for future reference.
- **Requirement Analysis & Solution Design** – Work with stakeholders to analyze business requirements, propose solutions, and plan feature POCs.
- **Feature Planning & Presentations** – Develop POCs for new features, present solutions to clients and internal teams, and gather feedback for implementation.

## Education

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- **Bachelor of Engineering in Electronics and Communication (VTU)**

## Personal Information

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- **Date of Birth:** 05/01/1997
- **Location:** Bangalore, Karnataka, India