Madan Lal *Software Engineer*

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Highly motivated and results-oriented Software Engineer with a proven track record of delivering 10+ dynamic web and mobile applications. Expertise in React, React Native, Node.js, and Ruby on Rails. Successfully delivered high-quality projects on time, improving team efficiency by 30%. Seeking a challenging role where I can contribute to innovative projects and achieve company goals.

WORK EXPERIENCE

Software Engineer, *Freelancing*　　　　　　　　　　　　　　　　　　　Mar 2023 – present | Remote

- Successfully delivered five confidential freelance projects, exceeding client expectations in all engagements. These projects spanned diverse domains and involved:
  - Architecting and implementing real-time communication platforms featuring audio-video calling, chat functionality, and screen sharing capabilities, resulting in a 15% increase in user engagement for one client.
  - Designing and developing data visualization dashboards with interactive charts, graphs, and drill-down analytics to provide actionable insights, leading to a 10% improvement in decision-making efficiency for another client.
  - Building robust user management systems with role-based access control, authentication, and authorization mechanisms, reducing security vulnerabilities by 20% for a specific project.
  - Creating complex, multi-role platforms with features like appointment scheduling, payment gateway integration, and interactive maps, increasing customer satisfaction by 15% for a particular platform.
  - Developing and deploying full-stack web applications with a focus on performance optimization, security, and scalability, achieving a 20% reduction in page load times for a specific application.
- Demonstrated expertise in a wide range of technologies, including React, React Native, Next.js, Node.js, Firebase, Material UI, and Bootstrap, to create intuitive and user-friendly interfaces for complex applications, contributing to an average user satisfaction rating of 4.8 out of 5 stars across projects.
- Developed cross-platform mobile applications with a focus on secure data handling, offline functionality, and seamless user experiences across various devices, achieving 5,000+ downloads and an average user rating of 4.6 stars for a specific mobile app.
- Integrated third-party APIs and services, such as payment gateways, mapping services, and communication APIs, to enhance application functionality and user experience, resulting in a 10% increase in successful transactions for a project involving payment gateway integration.
- Consistently met strict deadlines while maintaining high-quality work, exceeding client expectations, and building strong client relationships through effective communication and collaboration, earning positive client testimonials and repeat business.
- Proactively identified and resolved technical challenges, demonstrating strong problem-solving skills and a commitment to delivering high-quality solutions, reducing bug reports by 15% on average across projects.

Associate Software Engineer, *Akrity Computing* ↗　　　　　　　　　　May 2021 – Feb 2023 | Bangalore

- Addressed software bugs, enhanced the user interface, and implemented new features on the company's product using React and Ruby on Rails technologies, resulting in a 15% increase in user satisfaction.
- Integrated external services, such as Zoom, into the platform, utilizing Webhook events and OAuth flow, improving user experience and platform functionality.
- Managed integration settings for multiple users, tailoring options to specific user requirements, ensuring a personalized and efficient workflow.
- Conducted research and executed proof-of-concept (POC) projects related to text analysis, exploring various solutions and contributing to the company's knowledge base.
- Conducted research and implemented a proof-of-concept for category classification within the platform, improving data organization and retrieval.

Associate Software Engineer Intern, *Akrity Computing* ↗　　　　　　May 2021 – Sep 2021 | Bangalore

- Led project scoping discussions to define software requirements, resulting in a 20% reduction in timelines and improved team clarity.
- Designed wireframes and database schemas following best practices, establishing a strong foundation for software development.
- Rapidly learned Ruby on Rails and implemented projects using React + Rails and HTML + Rails, demonstrating adaptability and expanding the technology stack.
- Researched and prototyped third-party integrations and auto-installation of browser extensions, showcasing initiative and problem-solving skills.
- Actively contributed to codebase development by fixing bugs and learning code patterns under guidance.

Frontend Developer, *Adorway*　　　　　　　　　　　　　　　　　　　Feb 2021 – Apr 2021 | Bareilly

- Managed and delivered over 5 client projects and company websites, ensuring timely completion and high client satisfaction.
- Collaborated with designers to implement user-friendly interfaces and responsive designs, resulting in a positive user experience.
- Developed and maintained websites using HTML, CSS, Bootstrap, and JavaScript, ensuring cross-browser compatibility and optimal performance.
- Successfully launched projects like the Adorway website, showcasing the brand's vision, services, and products with a minimalist UI and user-focused content.

- Demonstrated strong problem-solving skills by identifying and resolving website issues, ensuring a smooth user experience.
- Led the front-end development of the "Eathub 365" food delivery platform, encompassing UI design, functionality implementation, and API integration for customer, vendor, and delivery apps.
- Contributed to enhancing user experience and streamlining operational processes for the "Eathub 365" project, resulting in a 10% increase in user engagement within the first two months of launch.

SKILLS

Frontend: ReactJS, React Native, NextJS, Material UI(MUI), Tailwind, Redux, HTML, CSS3, Bootstrap, jQuery, React Navigation, Redux Saga, React Bootstrap, Shadcn, Angular

Backend: Ruby on Rails, Node.js, REST APIs, ExpressJS, Web Servers

Programming Languages: Javascript, Python, Ruby, Typescript

Database: MongoDB, MySQL, Firebase(Realtime Database, Cloud Firestore), SQLite

Cloud and DevOps: AWS, Netlify, Heroku, Vercel, Sentry, Prompt Engineering

Software Engineering Practices: SDLC, Software Testing, Event-Driven Programming, Agile Methodology, SOLID Design Patterns, API Optimization, Design Principles, Software Troubleshooting, Asynchronous Programming, Test-Driven Development

Version Control & Package managers: Git, GitHub, Bitbucket, Npm, Yarn, Bun, Pip, Brew

Tools & Technologies: Webpack, Babel, JWT, Postman, Insomnia, VS Code, Mongoose, Vite, Ngrok, Prettier, ESLint, GitHub Codespaces, JSON, Handlebars, Anaconda

Design Tools & CMS: Figma, Inkscape, Canva, WordPress, Custom Posts, Taxonomies, Custom Theme

Project Management & Collaboration: Jira, Trello, Confluence, Slack, ClickUp, Clockify

Operating Systems & Scripting: MacOS, Windows, Linux (Ubuntu), Bash, ZSH, PowerShell

Soft Skills: Teamwork, Problem-solving, Adaptability, Communication, Research, Critical Thinking, Knowledge Transfer & Documentation, Organizational Skills, Attention to Detail, Verbal Communication

Natural Language Processing: Text Analysis, Text Categorization, Text Summarization, Hugging Face Transformers, Google Colab, Jupyter

PROJECTS

Data Recovery Website, *Uniget Pvt. Ltd.* ⎘
- Developed a robust, SEO-optimized platform for data recovery services using Next.js, React, and Material UI, resulting in a 15% increase in lead generation within the first three months of launch.
- Implemented device-specific recovery pages to improve user experience and streamline service navigation, leading to a 10% rise in conversion rates.
- Integrated secure lead generation forms and streamlined the customer journey, contributing to a 20% growth in overall customer engagement across India.

Food Delivery System, *Adowway's Client*
- Led the front-end development and API integrations for a comprehensive food delivery system using React Native, Redux, and Redux Saga.
- Developed customer, vendor, and delivery apps with a focus on seamless connections and responsive UI, ensuring a unified and user-friendly online ordering experience.
- Collaborated with the backend team to integrate APIs for real-time order tracking, payment processing, and user management, contributing to a 15% improvement in operational efficiency.

Academic Management System, *Topper's Classes*
- Developed an Academic Management System (AMS) using React Native and Expo, providing a centralized platform for educational institutes to manage services, workflow, and systems online.
- Implemented features for managing student data, attendance tracking, online assessments, and communication tools, resulting in a 25% increase in administrative efficiency.
- Designed a user-friendly interface accessible across various devices, contributing to a 15% rise in user adoption among teachers and administrators.

EDUCATION

BTech, CSE, *Lovely Professional University*   Jalandhar, Punjab

ACTIVITIES & ACHIEVEMENTS

- Successfully planned and executed 'Autumn Hacks' as an organizing team member.
- Proud to be participating in hackathons such as HackVSIT 3.O, Hackpcbt 1.O, and MShack2.O, etc.
- Top 5 finalist in Hackpcbt 1.O hackathon & Top 10 finalist in HackVSIT 3.O hackathon.
- Led school cricket team to victory in the 2016 tournament, demonstrating strong teamwork and leadership skills.