RUDRANIL DATTA RAY
Software Engineer

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Vadodara, Gujarat, India

SUMMARY

Dedicated and results-driven Software Engineer with a comprehensive technical skillset and proven success in delivering high-quality software solutions. Adept at freelancing and contract-based projects, with a strong focus on developing scalable applications across diverse platforms. Equipped with excellent problem-solving abilities, strong communication, and project management skills. Proficient in **English, Hindi, Bengali**, and able to understand **Gujarati**, enabling effective collaboration across diverse teams. Looking to apply my expertise in programming and passion for innovation to contribute to cutting-edge projects in the tech industry.

EDUCATION

Sardar Vallabhbhai Patel Institute of Technology　　　　　　　　　**Anand, Gujarat, India**
Master of Computer Engineering [CGPA 8.96]　　　　　　　　　　　　**Sep 2022 – May 2024**
Gold Medalist – Ranked 1ˢᵗ in ME CE Batch in Gujarat

Sardar Vallabhbhai Patel Institute of Technology　　　　　　　　　**Anand, Gujarat, India**
Bachelor of Computer Engineering [CGPA 9.01]　　　　　　　　　　　**Aug 2019 – Jun 2022**

Parul Polytechnic Institute　　　　　　　　　　　　　　　　　　　**Limda, Gujarat, India**
Diploma in Computer Engineering [GPA 9.92]　　　　　　　　　　　　**Aug 2016 – Jun 2019**

CORE COMPETENCIES

Technical Skills:

- **Programming Languages: Python, JavaScript, Scala, Java, PHP**
- **Frameworks & Libraries: React, React Native, Vue, Django, Node.js, Flutter**
- **Databases: MySQL, PostgreSQL, MongoDB, Hive, Firebase, Hasura GraphQL**
- **Tools & Platforms: Docker, Jenkins, GitHub, Git, JIRA, Trello, Agile Methodologies**
- **Basic Web Technologies: HTML, CSS, SCSS**
- **Framework Expertise: ERPNext, Frappe**

Soft Skills:
- **Effective Communication**
- **People Management**
- **Problem Solving & Critical Thinking**
- **Project Management**
- **Troubleshooting**
- **Time Management & Multi-tasking**
- **Creativity & Innovation**
- **Organizational & Project Management Skills**

EXPERIENCE

Developer | Freelancer, Vadodara, India
Jan 2022 – Current

- Developed and deployed custom web and mobile applications with tailored backends and user-friendly interfaces.
- Provided ongoing support and maintenance, ensuring seamless operation and timely updates for clients.
- Collaborated with cross-functional teams and clients to meet project goals and deadlines.
- Managed end-to-end project lifecycles, from requirements gathering to deployment and post-launch support.
- Worked across various frameworks and technologies to deliver scalable and efficient solutions.

PROJECTS

Gazra Mitra App   **Jan 2024 – Current**
Technologies Used: Flutter, Django, Firebase

Fully redesigned and rebuilt from scratch, Vadodara's premiere support app. Based on Flutter and backend in Django & Firebase. With cloud function support in Firebase for notifications and Maintenance/Cleanup

Custom CRM & Low-Code Applications   **Mar 2024 - Current**
Technologies Used: Frappe, Vue.js, Flutter   **(Ongoing Support)**

Developed customized CRM, HR modules, and project tracking systems for multiple businesses, including BerryBlues and Blouson and Saathi4u among others. These solutions streamlined operations, enhanced business management, and increased operational efficiency. Leveraged open-source technologies to deliver scalable, low-code applications tailored to specific business needs, optimizing workflow automation.

Ongoing support with over 500 Hours logged in this framework with more than 12+ custom apps builts. Supports business with over 12L Daily Revenue.

BerryBlues Ecommerce Platform   **Jan 2023 – May 2024**
Technologies Used: Next.js, Flutter, PostgreSQL, Strapi, MinIO, Shiprocket, Razorpay, Mailchimp, Docker, DigitalOcean

Engineered a complete ecommerce solution for BerryBlues, comprising a robust backend, responsive frontend, and mobile app in Flutter. Hosted on DigitalOcean with a Docker container setup, integrating a tech stack that includes PostgreSQL, Strapi for CMS, and Razorpay for seamless payments. The platform also integrates with Shiprocket for logistics and Mailchimp for marketing automation. This project significantly increased the company's revenue and brand visibility in the competitive ecommerce market.

Saathi4u Matrimony Website   **May 2023 – Feb 2024**
Technologies Used: WordPress, React + Vite, Node.js, Hasura GraphQL, Docker, nHost, SendGrid, Twilio

Created a fully functional, SEO-optimized matrimonial platform for Saathi4u, featuring a custom WordPress website for SEO Optimization and a React + Vite-powered web app. The backend was developed using Node.js and Hasura GraphQL, hosted on DigitalOcean using Docker containers. Integrated SendGrid for email communication and Twilio for SMS notifications. This solution laid the foundation for a successful new business, providing a high-quality, user-friendly experience for customers.

Quickbase Extensions   **May 2022 – Jan 2023**
Technologies Used: Flutter + AWS

Developed Flutter-based extensions for Quickbase applications for ArkoneSoft named QBKit, enhancing their functionality and usability. These extensions provided tailored solutions to improve process automation for internal company use.

Freelance Projects – SourceOrigin   **Jan 2022 – May 2023**
Technologies Used: Flutter, React, Node.js, SQL, NoSQL

Contributed to various freelance projects for SourceOrigin, building Flutter apps and React-based websites. Implemented backend solutions using Node.js with both SQL and NoSQL databases, ensuring high performance and scalability across platforms.

Blockchain Applications for Anant SoftTech   **Jan 2022 – May 2023**
Technologies Used: Flutter, GraphQL, Polygon, Subgraph

As part of a contract with **SourceOrigin &** Anant SoftTech, developed two blockchain-based applications utilizing

Flutter for front-end development and GraphQL for API interactions. Leveraged Polygon and Subgraph for blockchain integration, delivering decentralized apps with advanced functionalities tailored to the client's requirements.

WavePointer – Gujarat Technological University **Feb 2022 – May 2022**
Technologies Used: Python, OpenCV, MediaPipe, Flutter, Blender

Developed an innovative gesture-based input/output system that enhances human-computer interaction through machine learning and computer vision algorithms. Implemented a **Convolutional Neural Network (CNN)** model using **MediaPipe** and **pybind11**, showcasing expertise in **Python** and **OpenCV**. The system allows for intuitive, gesture-based commands, improving accessibility and interaction across devices.

REFERENCE

Available upon request.