SAMBIT RAY

SOFTWARE ENGINEER

CONTACT

+91 7008509800

sambitray998@gmail.com

https://www.linkedin.com/in/sambit-ray-8b9510172/

Bhubaneswar, Odisha, India

ABOUT ME

Leveraging my Master's in Computer Applications and 3 years of experience in Software Developer role, I'm instrumental in developing web applications that elevate business efficiency and user engagement. With a foundation in software engineering from Biju Patnaik University of Technology, I bring a strategic mindset to the Software Development Life Cycle. Our collaborative efforts yield digital narratives that drive meaningful interactions and satisfy stakeholder expectations.

EDUCATION

1.Master of Computer Applications(MCA)-(2018-2021)

Mahavir Institute of Engineering and Technology(BPUT), Bhubaneswar

2. Bachelor of Science(B.Sc. Mathematics)-(2014-2017)

Paradeep Degree College, Paradeep

3. CHSE(12th Science) - (2012-2014)

Marshaghai College, Kendrapara

4. HSC(10th Board)- 2012

Janasakti High School, Pentha, Kendrapara

SKILLS

- **PHP(CI and Laravel)**
- **Node.JS**
- **MySQL**
- **API Integration**
- **REST API**
- **JavaScript**
- **jQuery**
- **Microservices(SSO)**
- **GitHub**
- **Agile Methodology**
- **HTML**
- **CSS**
- **Bootstrap**
- **jQuery**
- **Zoho/Shopify Integration**
- **Tax Calculation System**

WORK EXPERIENCE

SOFTWARE (AUTOMATION) ENGINEER

ODISHA TELEVISION NETWORK (OTV)   **October 2024 - Present**

- Zoho CRM & API Integration: Developed custom API integrations between Zoho CRM and external systems using PHP and MySQL to automate data synchronization and streamline workflows.
- Zoho Automation with Deluge: Utilized Deluge scripting to automate routine tasks and improve efficiency in CRM processes, reducing manual interventions.
- Custom PHP Solutions: Designed and implemented custom modules in PHP to extend Zoho's functionality, allowing seamless integration with internal databases and external platforms.
- Workflow Automation: Automated lead management, task assignments, and follow-up processes within Zoho CRM, integrating MySQL for data management and reporting.
- Data Synchronization & Reporting: Developed real-time reporting tools using PHP and MySQL, synchronizing Zoho CRM data with internal ERP systems for accurate business insights.
- Email Notification System: Built an automated email notification system using Zoho CRM triggers and custom PHP scripts, ensuring timely communication based on specific CRM events.

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DIETARY BUSINESS INTELLIGENCE PVT LTD. (DBI360)   Jan 2024-Oct 2024

- Developed and Maintained Applications: Designed, developed, and maintained web applications using PHP, Node.js, and MySQL, ensuring high performance and responsiveness.
- Collaborated with Cross-Functional Teams: Worked closely with product managers, designers, and other engineers to gather requirements and deliver innovative solutions.
- API Integration: Implemented and managed integrations with third-party APIs, ensuring seamless data flow and functionality across systems.
- Code Quality and Testing: Wrote clean, maintainable code and conducted unit testing and debugging to ensure software reliability and performance.
- Version Control and Documentation: Utilized version control systems like Git for code management and maintained comprehensive documentation for future reference.

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JEEVA ORGANIC PVT. LTD.   **Dec 2021 -Jan 2024**

- Developed new and well-tested code for various software projects.
- Managed API-based projects using Node JS and PHP for backend development.
- Utilized advanced JavaScript concepts and ES6+ features. Implemented front-end architecture that is scalable and efficient.
- Aligned projects with specifications to deliver above-benchmark results. Used agile methodologies to ensure high-quality deliverables.
- Contributed to sprint planning and prioritizing backlogs. Managed team resources to deliver on sprint goals within expected timeframes.

PROJECTS AND PRODUCTS

1) Supply Chain Management-ERP(Zyler ERP)

- User Management: Handles user roles, permissions, and authentication, allowing administrators to manage access control across the ERP system.
- Inventory Management: Tracks stock levels, manages orders, and monitors inventory across multiple locations. This module often integrates with barcoding systems for real-time updates.
- Sales and CRM: Manages customer relationships, tracks sales leads, and processes orders. It includes functionalities for sales forecasting and reporting.
- Purchasing: Automates procurement processes, tracks vendor relationships, and manages purchase orders, ensuring that inventory is replenished efficiently.
- Finance and Accounting: Manages financial transactions, budgeting, and reporting. It includes features for accounts payable/receivable, general ledger, and financial analytics.
- Project Management: Tracks project progress, resources, and budgets. It provides tools for collaboration and reporting on project milestones.
- Reporting and Analytics: Generates insights from data across all modules, providing dashboards and reports for informed decision-making.

These modules are developed using technologies like PHP for server-side logic, Node.JS, JavaScript, jQuery for handling asynchronous operations, MySQL for database management, and front-end technologies like HTML, Smarty, CSS, and Bootstrap for responsive design. This combination allows for a dynamic and user-friendly ERP system that can adapt to various business needs.

2) Zoho automation in an ERP/CRM system:

- Zoho API Integration: Integrated Zoho CRM with ERP system to automate data synchronization, reducing manual data entry and enhancing workflow efficiency.
- ERP Automation: Developed automated workflows using Zoho automation tools to streamline business processes like sales order management, inventory tracking, and invoicing.
- CRM Process Automation: Automated lead generation and follow-up processes in Zoho CRM, improving customer relationship management and response times.
- Data Handling & Reporting: Built custom reports and dashboards to track key performance metrics, providing real-time insights into business operations.
- Cross-Platform Integration: Integrated Zoho CRM with third-party applications to automate end-to-end business processes, including customer communication and support ticketing systems.

3) HRMS system(ConfluxHR):

- HRMS Development: Designed and developed a custom HRMS using PHP, CodeIgniter, and MySQL to manage employee data, payroll, and attendance.
- Role-Based Access Control: Implemented a role-based system allowing admin-level access for managing all employee data and limited access for individual users to view their own information.
- Employee Management Automation: Automated key HR processes, such as leave management, performance tracking, and approval workflows, improving operational efficiency.
- Custom Reporting: Developed dynamic reporting features to generate customized reports on employee performance, attendance, and payroll based on user roles.
- Secure Login System: Created separate login pages for Admins, Users, and Authorized Persons, ensuring data security and privacy based on user roles.
- Integration & Scalability: Ensured system scalability for handling large employee data, with potential for future integration with third-party payroll and benefits systems.

4) NEXUS Data:

With NEXUS-DATA, any B2B or B2C business will be able to access the latest and genuine information regarding the four pillars of business wisdom Companies, People, Products & Ingredients. Our inexhaustible database is the outcome of meticulous research and information gathering. We make sure that we provide you with the most appropriate information that you seek for.

5) AsterDocs(Document Management System):

Specifically designed for the nutraceutical industry, providing specialized features. Offers advanced search and more detailed audit trails, enhancing document retrieval and compliance. Offers e-sign and a streamlined internal approval process, enhancing document approval workflows and reducing administrative burden. Provides more cost-effective solutions with flexibility,

6) Automated Communication System:

- Automated Email Communication System: Set up an automated communication system using Node.JS, MySQL, Zapier, Make (formerly Integromat), Amazon SQS, and Vash templates to streamline email notifications.
- Workflow Automation: Utilized Zapier to automate workflows by triggering email notifications based on real-time events such as new tasks or updates, reducing manual intervention.
- Advanced Workflow Control: Leveraged Make for advanced control over complex workflows, enabling dynamic email flows and conditional logic for improved automation.
- Scalable Email Delivery: Integrated Amazon SQS to handle high-volume email requests, ensuring reliable, scalable, and queued delivery for time-sensitive notifications.
- Dynamic Email Personalization: Used Vash templates to inject dynamic data (e.g., user names, task details) into pre-designed templates, personalizing email content to enhance user engagement.