SUBHAM
DUTTA
Software Developer

About Me

I am a passionate Fullstack Developer with over three years of experience in system architecture and development. I have a proven track record of designing and deploying applications that optimize performance and reduce errors. My expertise includes web frameworks like Node JS, relational databases, and integrating APIs, all while adhering to security standards and best practices. I excel in collaborating with cross-functional teams to deliver high-quality software solutions.

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Education

Heritage Institute of Technology

Master of Computer Application
2018 - 2021

Bengal Institute of Science & Technology

Bachelor of Computer Applications
2015 - 2018

Experience

Software Developer *June, 2024 – Present*

MDG Omnia | CodelogicX

A real-time shipment tracking system integrates IoT devices for continuous monitoring, built with Hapi JS, TypeScript, and Sequelize ORM.

- Architected and implemented a scalable real-time shipment tracking system integrating IoT devices for continuous monitoring.
- Designed scalable architecture incorporating IoT devices, RabbitMQ, and a Hapi.js backend, ensuring high performance and reliability.
- Developed communication protocols to capture and transmit real-time location, temperature, and sensor data from IoT shipment trackers.
- Implemented real-time monitoring features with automated alerts for anomalies, including temperature deviations and route changes, enhancing shipment safety and visibility.
- Configured RabbitMQ for reliable message queuing with retry logic, ensuring data consistency and handling failed message deliveries effectively.

Software Developer *Sep, 2023 – May, 2024*

Telemed | CodelogicX

Developed a comprehensive online healthcare system to improve patient access and facilitate efficient healthcare delivery.

- Developed backend functionalities using Node.js framework, including user authentication, appointment scheduling, and data management.
- Integrated external APIs such as DrFirst for electronic prescribing and medication management.
- Implemented telemedicine features to support virtual consultations between patients and healthcare providers.
- Collaborated with stakeholders to enhance system usability, improving patient care delivery and receiving positive feedback.

Software Developer *April,2023 – Oct, 2023*

TeamTrace | CodelogicX

An innovative team collaboration and productivity tracking platform to streamline communication and project management.

- Established backend functionalities using Node JS framework, including user authentication, employee creation.
- Assigned employees to projects and managed tasks like ticket creation and time tracking.

Experience

Software Developer   *Jan, 2023 – Oct, 2023*
Zalyon | CodelogicX

A comprehensive security management application with mobile and web apps for staff and management oversight.
- Constructed backend functionalities using Node JS framework, including user authentication, post creation, assigning staff to posts.
- Managed live attendance tracking, payroll management according to shifts worked, and other operations.
- Handled inventory and training tracking features.

Software Developer   *July, 2021 – Dec,2022*
Rimsys | CodelogicX

A cloud-based solution for digitizing and automating regulatory activities, enhancing workflows and compliance.
- Developed functionalities to centralize regulatory information, creating a unified repository for data.
- Produced and created regulatory workflows to track and manage registration and selling status.
- Facilitated collaboration and approvals through advanced digital documentation.

Skills

- Experience with web frameworks such as Node JS (express JS and Hapi JS) as backend (Vue JS and React JS) as frontend.
- Familiarity with relational and non-relational databases including MySQL, MongoDB, and DynamoDB.
- Experienced in developing and implementing FHIR-based solutions for interoperability and data exchange in healthcare applications.
- Strong understanding of Git workflows and Bitbucket for code collaboration and project management.
- Skilled in integrating external APIs to facilitate seamless communication and data exchange between different software systems, enhancing functionality and interoperability while adhering to industry best practices and security standards.
- Strong understanding of data structures and object-oriented programming principles.
- Proficient in leveraging AWS Lambda with Node JS, EventBridge, S3, and API Gateway services to design, develop, and deploy serverless applications, enabling efficient event-driven architectures, seamless data processing, and robust API integrations for scalable and resilient cloud solutions.
- Proficient in Core Java concepts, including Object-Oriented Programming (OOP), exception handling, collections framework, Generics, Streams API multithreading, and file handling. Hands-on experience with Java SE for developing console-based and basic GUI applications.