

UMER JASIM

Senior Software Developer

SKILLS

PHP

CodeIgniter

SQL Server

HTML

CSS

Bootstrap

JQuery

JavaScript

MongoDB

Express JS

React JS

Node JS

GIT

WORK EXPERIENCE

Travancore Analytics

Senior Engineer - Software Systems

June 2024 - Present

Hodo Medical Informtaic Solutions

Senior Engineer - Software Systems

Dec 2020 - May 2024

KEY PROJECTS

Techno Staff IDMS

Node.js, Express.js, MySQL, React.js

Have developed an end-to-end inspection platform. There is an application built using React.js for the front end, Node.js for the back end, and MySQL for the database. Gained experience in the usage of real-world UI components based on Ant Design for data visualization on Chart.js for the database procedure and functions on MySQL. Made numerous features and hooked up third-party packages to bring perfection in functionality and user experience.

Roles and Responsibilities

- Implement secure, role-based authentication systems for managing user access and application permissions.
- Design and develop RESTful APIs for critical functionalities ensuring proper interplay between the front-end and back-end of the application.
- Develop optimized functions and stored procedures in MySQL that will handle computation-intensive calculations such as corrosion rates and remaining life for display, and summaries of thickness.
- Write and optimize complex SQL queries on the database to fetch data and manipulate it so that huge datasets don't take a lot of time in response.
- Use chart generation from Chart.js to provide PDF reports and dashboards with clear, actionable insights.
- Develop the functionality automatically uploading the generated PDF record into the Amazon S3 instance for secure storage and ease of access.

Hodo Labzapp

Node.js, PHP (CodeIgniter), HTML, CSS, jQuery, SQL Server

Hodo Labzapp is an all-in-one web application for laboratory management. This application could streamline and automate different laboratory work processes, including user registration to deliver test results through various channels. The whole lab management process is taken care of, so it is very effective and efficient for laboratory staff and clients.

Roles and Responsibilities

- This would include developing and maintaining backend APIs that are done in PHP and Node.js for different application functionalities as well as ensuring data processing is dealt with in the most efficient manner.
- Developing and implementing the user interface using HTML, CSS, and jQuery to be responsive and user-friendly
- Writing and optimizing SQL queries to retrieve and manipulate data efficiently
- Creating and managing SQL functions and stored procedures for difficult calculations and processes that involve data processing.
- Test the code before it is deployed to ensure functionality, stability, and performance.
- Collaborate with the support team while solving technical issues to make sure the application is easier to use.
- Communicate with clients to learn their needs, resolve any issues they may raise, and ensure that they receive what they require.
- Document the code on the APIs and architecture of the system for easy maintenance and modifications in the future.

Hodo Labzapp

Node.js, PHP (CodeIgniter), HTML, CSS, jQuery, SQL Server

Hodo Labzapp is an all-in-one web application for laboratory management. This application could streamline and automate different laboratory work processes, including user registration to deliver test results through various channels. The whole lab management process is taken care of, so it is very effective and efficient for laboratory staff and clients.

Roles and Responsibilities

- This would include developing and maintaining backend APIs that are done in PHP and Node.js for different application functionalities as well as ensuring data processing is dealt with in the most efficient manner.
- Developing and implementing the user interface using HTML, CSS, and jQuery to be responsive and user-friendly
- Writing and optimizing SQL queries to retrieve and manipulate data efficiently
- Creating and managing SQL functions and stored procedures for difficult calculations and processes that involve data processing.
- Test the code before it is deployed to ensure functionality, stability, and performance.
- Collaborate with the support team while solving technical issues to make sure the application is easier to use.
- Communicate with clients to learn their needs, resolve any issues they may raise, and ensure that they receive what they require.

EDUCATION

Bachelor of Computer Application

University of Calicut

Higher Secondary

Kerala State

CERTIFICATION

The Complete JavaScript Course: From Zero to Expert

Udemy

The Complete 2024 Web Development

Udemy