

RAMANJANEYULU JALASUTRAM  
BACKEND DEVELOPER

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SUMMARY

As a backend developer with 12 months of hands-on experience, I excel as a backend developer proficient in Node.js, MuleSoft, MySQL, Express.js, and JavaScript. Specializing in architecting scalable server-side applications and APIs, I optimize backend systems for peak performance. Additionally, my expertise extends to crafting RESTful APIs, real-time applications, and database management with MySQL, PostgreSQL (Hasura), and MongoDB. Skilled in manual testing and problem-solving, I prioritize delivering user-centric applications that ensure performance, security, and a seamless user experience in dynamic development environments. Eager to contribute my skills to innovative projects and embrace new challenges in web development.

SKILLS

**Programming Languages:** JavaScript, DataWeave  
**Libraries & frameworks:** Node.js, Express.js, nodemailer, multer, bcrypt, jsonwebtoken, dotenv, Nodemon, Body-parser.  
**Others:** MySQL, Embedded JavaScript (EJS), GraphQL, Manual testing, Postman, Visual Studio, Twilio, Firebase, Mongo DB, AWS S3.  
**MuleSoft:** Anypoint Platform, DataWeave, Anypoint Studio, REST API, MYSQL, MUnit

WORK EXPERIENCE

Real-Time Projects:

- Capitalize Dec2023 – Ongoing

**Role:** API & Database development.

Responsibilities:

- To design and develop Apis for Capitalize web application.
- To implement a robust database for data management.
- To optimize user experience through efficient APIs.

**Description:** Developing a dynamic Property Management System using Node.js, Express.js, and MySQL. Enabled users to submit, manage, and view property listings, implementing features such as dynamic content rendering and file uploads. Utilized JavaScript for client-side interactions, including form validation and calculations, ensuring accurate property details.

- Royal Stamp Sept2023 – Nov2023

**Role:** Front End Application Developer.

Responsibilities:

- Developed key web application functionalities to improve user experience and performance.
- Designed UI screens enhancing user engagement and navigational ease.

**Description:** Developed an e-signature app with added security features like video recording, and utilizing blockchain for timestamps for document security. Simplified the H1B application process with an easy-to-use interface and a straightforward signing mechanism, ensuring both efficiency and security.

PROOF-OF CONCEPT (POCs):

- OPT web application: Nov 2023

**Role:** API and database development for opportunities.

Responsibilities:

- Contributed to the development of user authentication features.
- Implemented CRUD operations for job postings.

- Integrated file upload functionality with AWS.
- Orchestrated email-sending capabilities.
- Enabled OTP verification via Twilio.

**Description:** Developed a comprehensive Node.js application, encompassing various functionalities such as user authentication, CRUD operations for job postings, file uploads to AWS, email sending, and OTP verification via Twilio. This application caters to user registration across multiple roles, facilitates job search functionalities, and enables seamless communication through email and phone number verification. By integrating diverse technologies, it delivers a robust platform for effectively managing users, jobs, and communications.

#### ▪ Online shopping application

**June2023 – Aug 2023**

**Role:** API and database development for Online shopping application with templating EJS.

#### **Responsibilities:**

- Contributed to the development of user authentication and authorization functionalities.
- Implemented password-changing functionality with Twilio integration.
- Ensured secure handling of user data and transactions.
- Designed and developed personalized user dashboards.
- Enabled viewing of order history and account-related information.

**Description:** Contributed to the development of an online shopping application utilizing Node.js, Express.js, and MySQL. Implemented user authentication and authorization features, including registration and login with email and password authentication. Integrated Twilio for seamless password-changing functionalities. Designed personalized user dashboards for viewing order history and managing account details, ensuring a smooth and secure shopping experience.

### **MuleSoft Projects:**

#### ▪ Payment Notification System for a Multi-bank Platform:

**May 2023 – June 2023**

**Role:** MuleSoft Developer and implementer of a Real-time Payment Notification System.

#### **Responsibilities:**

- Integrated multiple banks' APIs to establish a real-time payment notification system.
- Designed RAML for REST API implementation using MuleSoft AnyPoint API Platform.
- Implemented error handling for various APIs (HRIS, ATS, Payroll) within the system.
- Utilized MuleSoft API Manager to develop a REST API enabling HR managers to access and modify employee information centrally.

**Description:** Spearheaded the development of a Real-time Payment Notification System within a Multi-bank Platform, ensuring seamless customer payment experiences across different banks. Leveraged MuleSoft AnyPoint API Platform to design RAML for REST API implementation, incorporating robust error handling for diverse APIs such as HRIS, ATS, and Payroll. Employed MuleSoft API Manager to craft a REST API, empowering HR managers to efficiently manage employee information from a centralized location.

#### ▪ E-commerce Platform

**March2023 – April 2023**

**Role:** MuleSoft developer of E-commerce Platform.

#### **Responsibilities:**

- Developed an API-led e-commerce platform integrating various systems: payment gateway, order management, product catalog, and shipping carrier.
- Designed RAML for REST API implementation using MuleSoft AnyPoint API Platform.
- Implemented error handling and security policies for the APIs utilizing MuleSoft API Manager.
- Published APIs to the Exchange and the public portal, creating different data models based on the APIs.

**Description:** Spearheaded the development of an API-led e-commerce platform, seamlessly integrating diverse systems such as payment gateways, order management, product catalogs, and shipping carriers.

Utilized MuleSoft AnyPoint API Platform to design RAML for REST API implementation, incorporating robust error handling and security policies through API Manager. Published APIs to the Exchange and public portal, while also creating distinct data models tailored to the APIs' functionalities.

▪ **Employee management system:**

Jan2023 – Feb 2023

**Role:** MuleSoft developer of Employee management system.

**Responsibilities:**

- Integrated with HR systems including HRIS, ATS, and payroll to centralize employee information access for HR managers.
- Developed a comprehensive data model and wrote DataWeave expressions for seamless data transformation.
- Designed and implemented REST APIs to facilitate communication between the integrated HR systems.
- Prepared comprehensive documentation covering system architecture, API specifications, and deployment instructions.

**Description:** Led integration with HR systems (HRIS, ATS, payroll), enabling HR managers to access and update employee data centrally. Developed a robust data model and used DataWeave for efficient data transformation. Designed REST APIs to enable seamless communication among integrated HR systems. Conducted thorough testing and deployment to ensure reliability. Prepared comprehensive documentation covering system architecture and deployment instructions.

**Academic Projects**

A Novel miniaturized Antenna for Breast Cancer Detection.

(Jan 2022- June 2022)

**Project Description:**

Breast cancer is the most common non-skin-related malignancy and the second leading cause of cancer death among women in the world. The antenna has good bandwidth, so the electromagnetic wave can penetrate deep into the tissue.

**Platform:** Antenna.

**Paper publication:** <https://ijirt.org/Article?manuscript=155032>.

**Ultrasonic radar system for distance measurements using Arduino.**

**Platform:** Radar. A radar is an electronic device that utilizes electromagnetic waves to determine a moving and immovable object’s altitude, range, direction, or speed.

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**EDUCATION**

B. Tech in Electronics and Communication Engineering

2018-2022

Usha Rama College of Engineering and Technology

Vijayawada