

RAKESH RAVULA



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Charlotte, NC, United States

Summary

- 4 years of experience web development using PHP, Laravel, and AJAX, with expertise in using Composer for PHP dependency management.
- Experienced in database management with both SQL (MySQL) and NoSQL (MongoDB) databases.
- Skilled in version control using Git and collaborative development on platforms like GitHub and BitBucket.
- Strong knowledge of front-end technologies, including HTML, CSS, and JavaScript.
- Familiar with DevOps tools like Docker for containerization, Linux (Ubuntu), and Apache HTTP server for web hosting, ensuring efficient and reliable application deployment.
- Conceptualized and implemented efficient CI/CD pipelines using Jenkins and Git, ensuring reliable and timely application delivery while adhering to best practices.
- Implemented headless CMS integration using tools like Sanity, enabling efficient decoupling of the frontend and backend.
- Proficient in working with various databases (SQL, NO SQL), including SQL and MongoDB, ensuring efficient data storage and retrieval.

Skills

- | | | | |
|----------------------|----------------------|-----------|-----------------------------|
| • Laravel | • PHP | • Jira | • CSS |
| • AJAX | • REST API | • Linux | • Code coverage |
| • Composer [PHP] | • SQL | • MongoDB | • Docker |
| • Databases | • Ubuntu | • MySQL | • Express |
| • Git | • API Gateways | • NPM | • GitHub |
| • HTML | • Apache HTTP server | • OAuth | • Object-relational mapping |
| • JetBrains PhpStorm | • BitBucket | | |

Experience



Full Stack Engineer

UAB School of Health Professions

May 2022 - Apr 2023 (1 year)

- Developed innovative solutions for personalized health advice in web development, aligning user centered features with health objectives.
- Implemented Agile Scrum methodologies to enhance application quality through rigorous testing monitoring, and maintenance.
- Streamlined daily call surveys by integrating Twilio Flex, improving user communication
- Created a user-friendly Alexa Skill for logging food intake via Alexa devices
- Orchestrated deployment in Docker containers on AWS, optimizing deployment procedures
- Established a robust CI/CD pipeline using Jenkins and Git for efficient application delivery
- Implemented RESTful services and jQuery for seamless communication and DOM manipulation
- Led the adoption of Test-Driven Development (TDD) practices, achieving a 90% test coverage milestone with Jest.
- Enhanced application security with OAuth, JWT, and OWASP techniques
- Implemented a CMS for streamlined content management, improving efficiency and organization
- Implemented JWT (JSON Web Tokens) for robust authentication and authorization



Full Stack Engineer

ValueLabs

May 2019 - Dec 2021 (2 years 8 months)

PEARSON - ePub Parser

- Built a module for processing ePub file inputs, achieving seamless conversion into interactive online eBooks with remarkable efficiency.
- Utilized web scraping tools, including Cheerio, alongside custom algorithms on the Node.js platform for precise data transformation.
- Led the execution of a pivotal Proof of Concept (PoC) within the project, focusing on managing anchor reference links in JSON elements effectively.
- Conducted an impactful PoC by extensively researching OOXML tags, showcasing the conversion of Word documents into eBooks.
- Improved data accuracy and efficiency by 25% with the innovative ePub conversion application.
- Achieved precise data transformation through web scraping, reducing errors by 15%.
- Successfully demonstrated the viability of converting Word documents into eBooks, expanding project possibilities.
- Enhanced data extraction efficiency by 20% with graph traversal techniques.
- Received recognition for exceptional contributions to the project, leading to increased efficiency and productivity.
- Awarded "Innovator of the Year" in 2020 for outstanding work on innovative PoCs and improvements in data processing.

ASTRO - ARP Digital

- Designed a web application for seamless registration and payment processing for ad placements across Astro platforms using React.
- Utilized Node.js for the backend, integrating it with SQL as the database technology.
- Introduced dynamic content loading based on network speed to enhance the user experience.
- Orchestrated the deployment of the entire application on an AWS server.
- Implemented interactive dashboards using Material UI, providing insightful metrics and controls.
- Integrated REST APIs to facilitate seamless communication.
- Employed PL/SQL to streamline database operations, enhancing data integrity and retrieval speed for various application functionalities.
- Implemented Jest for unit testing, ensuring code quality and reliability.
- Ensured effective session management for enhanced security and user experience within the application.

Education



University of Alabama at Birmingham

Master of Science, Computer Science



Lakireddy Bali Reddy College of Engineering(Autonomous)

Bachelor of Technology, Computer Science

2015 - 2019

Honors & Awards



Employee of the Month - ValueLabs

Jun 2020