Vamshi Reddy Sappati | Full Stack Developer

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PROFESSIONAL SUMMARY

Full Stack Developer with 5+ years of experience in building Responsive, scalable web applications using Python, Django, JavaScript, and SQL. Expert in delivering end-to-end solutions that improve user engagement and meet business needs. Expertise in developing and deploying robust back-end systems, achieving a 30% improvement in application performance and a 20% reduction in loading times by optimizing code and database queries. Proficient in front-end technologies like React and Angular, collaborating with UI/UX teams to design and implement responsive interfaces, resulting in a 25% increase in user satisfaction and engagement.

TECHNICAL SKILLS

Front-end Technologies: HTML5, CSS3, JavaScript, React.js, Angular, TypeScript, Next.js, Redux, Bootstrap, SASS
Back-end Technologies: Python, Django, Flask, Node.js, Express.js, Microservices, RESTful APIs, GraphQL, SOAP, Spring Boot, Spring Core, MVC Framework, Redis, Flyway
Databases: MySQL, PostgreSQL, MongoDB, NoSQL, Oracle, MS SQL Server, MariaDB, SQLite, Redis, Elasticsearch
Tools and Technologies: Selenium, Amazon Web Services (AWS), Microsoft Azure, Docker, Kubernetes, Terraform, Git, Kafka, Jenkins, GitHub, Agile, Scrum, JIRA, SDLC, Gradle, JUnit, Postman, Data Structures and Algorithms
Frameworks/Libraries: TensorFlow, Scikit-Learn, NumPy, Pandas, Matplotlib, Seaborn, SciPy, OpenCV, Flask, Django, Fast API

PROFESSIONAL EXPERIENCE

Full Stack Developer | NVIDIA   Jan 2024 – Present | Remote, USA

- Engineered and deployed full-stack applications using Python, Django, and React.js, boosting functionality and achieving a 20% upgraded in user engagement by delivering a more intuitive and responsive interface.
- Built scalable cloud-based solutions using AWS and Docker, reducing deployment times by 25% and enhancing application reliability and scalability in production environments.
- Created and optimized backend services with Node.js and Express.js, resulting in a 30% improvement in system processing speeds and optimizing load handling during high-traffic periods.
- Integrated external APIs and third-party services into applications, expanding functionality and improving customer satisfaction by 18% through improved user experiences and features.
- Led the refactoring of legacy code, improving system architecture and cutting application load time by 20%, which contributed to a faster and smoother user experience for clients.
- Implemented a robust continuous integration and deployment pipeline with Jenkins, automating testing and deployment processes, reducing manual testing efforts by 40% and accelerating the release cycles.

Full Stack Developer | Cognizant   Jan 2021 – Dec 2022 | India

- Developed and optimized full-stack applications using Python, JavaScript, and React.js, resulting in a 25% improvement in system performance and UI responsiveness.
- Built robust, scalable RESTful APIs and microservices with Python and Node.js, reducing data retrieval time by 30% and enabling seamless front-end/back-end integration.
- Designed and implemented real-time data synchronization via RESTful APIs, improving system responsiveness and driving a 15% increase in user engagement.
- Enhanced database interactions and executed data migration projects, boosting data access speed by 35% and ensuring smooth integration with legacy systems.
- Automated complex backend workflows using Python, reducing manual task time by 40% and streamlining development operations.
- Collaborated with cross-functional teams to deliver interactive web features, improving user experience and application performance by 20% across platforms.

Software Developer | Wipro   Jan 2019 – Dec 2020 | India

- Developed rich front-end applications using React.js and Bootstrap, implementing reusable UI components and integrating Redux for efficient state management, improving frontend maintainability and performance.
- Designed and maintained RESTful APIs using Node.js and Express.js, enabling seamless communication between services and supporting integrations with third-party APIs like Stripe, Twilio, and Salesforce.
- Refactored backend modules to optimize logic flow and improve scalability, while enhancing performance of complex SQL queries and implementing Redis caching, reducing server response times by over 20%.
- Built robust database schemas and optimized data models using MySQL and PostgreSQL, improving relational data consistency and supporting complex analytical queries.

EDUCATION

Auburn University at Montgomery   Jan 2023 – Dec 2024 | Montgomery, Alabama
Master of Science in Computer Science

PROJECTS

IoT-Based Smart Parking System
Skills used: IoT, Cloud Computing, Mobile App Development, MQTT, HTTP Protocols, Data Analytics, Node.js, Real-time Data Processing, System Integration.

- Developed an IoT-based smart parking system that detects space availability and provides real-time updates through a mobile app, utilizing cloud services and analytics to predict parking demand.
- Optimized space utilization, reducing congestion by 30% and improving parking efficiency by 25%, while enhancing the overall user experience.

CERTIFICATION

AWS CERTIFICATION (Link)