

Vamshi Reddy Sappati | Full Stack Developer

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PROFESSIONAL SUMMARY

- Full Stack Developer with 3+ 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% upgrade 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

- Engineered and sharpened full-stack applications using Python, JavaScript, and React.js, improving system performance and achieving a 25% increase in overall efficiency by enhancing backend processes and user interface responsiveness.
- Made robust, scalable RESTful APIs and microservices, leveraging Python and Node.js, reducing data retrieval time by 30% and ensuring seamless integration between front-end and back-end systems.
- Collaborated with cross-functional teams to design and implement interactive web features, which resulted in a 20% improvement in user experience and application performance across various platforms.
- Automated complex backend processes with Python, cutting manual task execution time by 40% and streamlining workflows, thereby increasing overall development efficiency and reducing operational costs.
- Boosted database interactions and conducted data migration projects, significantly improving data access speed by 35% and ensuring smooth integration with existing system infrastructure.
- Designed and implemented real-time data synchronization solutions using RESTful APIs, boosting system responsiveness and contributing to a 15% increase in user interactions within applications.

EDUCATION

Auburn University at Montgomery

Jan 2023 – Dec 2024 | Montgomery, Alabama

Master of Science in Computer Science

CERTIFICATION

- AWS [Link](#)

PROJECTS

Home Automation System Using Eye Detection and Health Monitoring for Paralyzed People

- Constructed an assistive technology solution enabling paralyzed individuals to control home appliances and monitor health using eye blink detection, integrating IoT devices and health sensors to track vital signs and trigger automated emergency alerts.
- Strengthened user independence, safety, and autonomy, reducing response times by 50% and significantly improving quality of life, earning recognition for innovation in assistive technology.

Skills used: Python, C++, IoT, Machine Learning, Eye-tracking Algorithms, Health Monitoring, Raspberry Pi, Arduino, Real-time Monitoring

IoT-Based Smart Parking System

- 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.

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