Bharath Kumar Vaddineni

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A multilingual React Developer with a proven record of elevating user interfaces and driving business growth. Proficient in JavaScript, TypeScript, HTML5, CSS, React.js, and Redux, with hands-on experience in developing interactive and responsive front-end solutions. Specialized in collaborating with cross-functional teams and optimizing user engagement. Solid background in software development, SDLC pipeline, and React frameworks. Recognized for outstanding performance, and achieved two promotions within 18 months, showcasing a strong commitment to delivering high-quality solutions. With ~5 years of IT experience, I bring strong communication, teamwork, and technical knowledge to contribute to React development projects.

WORK EXPERIENCE

Cognizant Technology Solutions   **Pune, India**
React Developer   **November 2020 – November 2021**
- Spearheaded the development of interactive and responsive user interfaces for diverse projects, utilizing JavaScript, TypeScript, HTML5, and CSS, resulting in a 20% boost in user engagement.
- Integrated Material-UI for enhanced UI components, contributing to a 20% improvement in visual appeal.
- Prepared Jest for robust unit testing, ensuring a 30% reduction in post-deployment issues.
- Collaborated on cross-functional teams, implementing MVC architecture and integrating RESTful APIs, reducing development time by 20%.
- Enhanced authentication systems by implementing OAuth protocols, contributing to a 30% reduction in unauthorized access incidents.
- Incorporated AWS CloudWatch for cloud-based deployment and monitoring, resulting in a 15% reduction in downtime.

Attra Infotech   **Bangalore, India**
Frontend Developer   **March 2017 – November 2020**
- Led the development adaptive user interfaces with JavaScript, TypeScript, HTML5, and CSS, achieving a 25% improvement in overall application responsiveness.
- Guided technical teams through multi-phased projects, ensuring efficient and fault-tolerant code delivery in development, testing, and deployment.
- Developed code per technical specifications, and provided UAT support during testing, achieving 100% success in delivering 20 projects.
- Employed React.js and Redux frameworks for efficient and scalable front-end solutions, resulting in a 15% improvement in project scalability.
- Implemented Jest for thorough unit testing, achieving a remarkable test coverage of over 90%, and 25% improvement in the overall quality of the codebase.
- Integrated PostgreSQL and MySQL databases, ensuring seamless data integration and contributing to a 30% improvement in data retrieval times.
- Engaged with AWS services (EC2, S3) for cloud-based development, resulting in a 20% reduction in infrastructure costs.

TECHNICAL SKILLS

Programming Languages	**:** Java, JavaScript, TypeScript, HTML5, CSS
Frameworks/Libraries	**:** React.js, Redux, Node.js, Material-UI, Jest, Next.js.
Web Technologies	**:** MVC Architecture, RESTful APIs
Database Technologies	**:** MySQL, PostgreSQL, NoSQL
Scripting/Shells	**:** Bash(Unix Shell Scripting)
Tools/IDEs	**:** Visual Studio Code, GitHub, Postman, VS Code.
Cloud Services	**:** AWS (EC2, S3, IAM), AWS CloudWatch
Operating Systems	**:** Windows, Linux

EDUCATION

University of Alabama at Birmingham   Birmingham, AL
Master of Science: Computer Science   April 2023

KSRM College of Engineering   Kadapa, India
Bachelor of Technology: Electrical Engineering   April 2016

ACADEMIC PROJECTS

AWS File Sharing tool
- Created a robust file storage solution using Amazon S3, and integrated Python Flask for the backend.
- Combined AWS services including SNS, Lambda functions, S3 buckets, and EC2 instances.
- Facilitated efficient storage, real-time updates, event handling, and seamless user experience.
- Processed the pre-signed URL mechanism resulting in a 30% reduction in download latency for direct and hassle free downloads.
- Established AWS RDS for storing both account and uploaded file data within the S3 bucket.

Event management website development
- Played a key role in the holistic development of the project, covering the full-stack technologies to create a well integrated solution.
- Conceptualized, and designed user interfaces using Figma and developed an event management website, streamlining organization and arrangements for users.
- Delivered 98% code reliability using TDD and OOAD for academic projects, ensuring a robust fault tolerance rate of 95%.
- Executed front-end development using HTML, CSS, and Bootstrap, resulting in a 20% improvement in the user interface and enhancing overall user experience metrics.
- Incorporated Python, Flask, MySQL, and XAMPP for robust back-end development, contributing to a 30% increase in seamless functionality and efficient data management.

CERTIFICATIONS

- Meta Front-End Developer   December 2023