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Software Engineer

Senior Software Engineer with a Master's degree in Computer Science and extensive experience in the software development lifecycle. A dynamic and driven professional, adept in crafting cutting-edge applications utilizing an array of technologies such as React, Angular, React Native, Redux, GraphQL, and RESTful services. Distinguished by a proven track record of innovative problem-solving and the ability to deliver high-performance software solutions that meet complex business needs.

Skills

Programming Languages:

JavaScript, Typescript, C# , Python, HTML, CSS

Frameworks

React, React-Native, Redux, MobX NodeJS(ExpressJs & HapiJs), ASP.NET CORE, ASP.NET, GraphQL, Angular, REST, LESS, SASS, NPM, Yarn, WEBPACK, BABEL, JSONAPI

Data Structures:

MySql, JSON, NoSQL (Mongo DB, Couchbase)

Education

2016 - 2017

Master of Science in Computer Science
Concordia University Ann Arbor

2012 - 2016

Bachelor of Technology in Information Technology
GITAM University, GITAM school of technology Hyderabad

Work experience

Jun 2019 - Present

Software Engineer II
Pacific Northwest National Laboratory

- Contribute to full-stack development for a variety of research, contract, and internal business web applications, leveraging a diverse set of technologies including React, Redux, Angular, and Node.js.
- Function as the Product and Engineering Lead for EMSLWEB, driving the technical and product strategy to enhance platform performance and user engagement.
- Lead Software Engineer for multiple National Nuclear Security Administration (NNSA) and Department of Energy (DOE) projects, showcasing expertise in full-stack development processes.
- Architect and develop a robust cross-platform application for international law enforcement, adopted by users in over 90 countries and supporting multilingual content in 10 languages.
- Utilize React, React Native, and Expo frameworks to create a unified codebase, optimizing the application for consistency and maintainability across different platforms using JavaScript.
- Collaborate with cross-functional teams to ensure seamless integration of new features and enhancements, resulting in improved user experience and increased client satisfaction.
- Conduct thorough testing and debugging of code, promptly identifying and resolving issues to minimize downtime and ensure high-quality deliverables.
- Maintain clear and concise documentation, facilitating ease of understanding and knowledge transfer among team members.
- Stay updated with the latest technologies and industry trends, continuously enhancing skills and knowledge to deliver cutting-edge solutions.

Oct 2018 - May 2019

Post Masters RA Software Engineer
Pacific Northwest National Laboratory, Richland WA

- Developed a front-end operations tool using React and Redux, significantly improving the efficiency and effectiveness of the IT help desk in providing customer service.
- Built a REST API using NodeJS with the HapiJS framework, enabling seamless communication and data exchange between different systems.
- Led the front-end development efforts for the Metabolomics project, creating a user-friendly interface and enhancing the overall user experience.
- Conducted research and developed a network simulation for airborne networks using NS3, providing valuable insights into network behavior under extreme conditions.
- Created a recovery system using Ns3Gym (OpenAI gym toolkit), improving the resilience and reliability of network systems in challenging environments.
- Collaborated with cross-functional teams to ensure seamless integration and compatibility of software components.
- Maintained clear and concise documentation, facilitating knowledge transfer and ensuring the scalability and maintainability of the developed software.
- Actively participated in code reviews and provided constructive feedback to team members, fostering a culture of continuous improvement and learning.

May 2018 - Sept-2018

Master's Intern Front-End Application Developer
Pacific Northwest National Laboratory, Richland WA

- Developed a front-end application for an operations tool using React and Redux, resulting in improved customer service and streamlined operations.

- Created a highly intuitive front-end user interface for a research project using Angular and Mapbox, enhancing user experience and facilitating data analysis.
- Actively contributed to multiple projects, demonstrating versatility and adaptability in working with different technologies and frameworks.
- Collaborated with cross-functional teams to gather requirements, design, and implement front-end solutions that met project objectives and client needs.
- Conducted thorough testing and debugging of front-end applications, ensuring high quality and reliability of the final product.
- Maintained clear and concise documentation, facilitating knowledge transfer and ensuring seamless collaboration among team members.
- Demonstrated strong problem-solving skills and attention to detail in identifying and resolving issues in front-end development.
- Stayed updated with the latest trends and advancements in front-end development, continuously improving skills and staying ahead of industry standards.

March 2018 - May 2018

Web Developer
Cub Scouts Of America (Pack 231)

- Revamped the website for Cub Scouts of America (Pack 231), leveraging HTML, CSS, and JavaScript to create an intuitive and user-friendly interface.
- Collaborated closely with the organization to understand their specific needs and requirements, ensuring the website aligned with their operational goals.
- Implemented responsive design principles, optimizing the website for various devices and screen sizes, resulting in improved accessibility and user experience.
- Streamlined website navigation and functionality, enhancing usability and reducing bounce rates by 20%.
- Actively participated in user testing and feedback sessions, incorporating user insights to continuously improve the website's performance and functionality.
- Maintained clear and concise documentation of the website's architecture, design decisions, and technical specifications, facilitating future updates and maintenance.
- Demonstrated strong attention to detail by conducting thorough testing and debugging, ensuring the website was error-free and performed optimally.
- Proactively sought opportunities to enhance my web development skills, staying updated with the latest industry trends and best practices.

Sept 2016 - Dec 2017

Student Ambassador
Concordia University Ann Arbor

- Excelled as a Student Ambassador at Concordia University Ann Arbor, conducting campus tours to showcase university offerings, and was honored with the Outstanding Student Employee Award for exceptional service and leadership.
- Orchestrated front desk operations, including call management and appointment scheduling, while leading a team of student workers to ensure efficient resource coordination and optimal visitor experiences.
- Upheld the highest standards of communication and organizational excellence, diligently maintaining university protocols, proofreading critical documents, and prioritizing tasks to meet stringent deadlines.

June 2015 - July 2015

Data Engineer & Analysis Intern
Bharat Heavy Electronics Limited

- Provided critical support to the analytical team by crafting SQL queries for data retrieval from databases and utilizing Hadoop and R to prepare large datasets for comprehensive analysis, aiding key decision-making processes.
- Enhanced data handling efficiencies by developing optimized retrieval processes that cut processing times by 20%, while ensuring data integrity in collaboration with cross-functional teams, resulting in a direct positive impact on project outcomes.
- Upheld exceptional data analysis standards through meticulous documentation and proofreading practices, coupled with proactive engagement in continuous learning and contribution to team meetings, which fostered advanced analytical methodologies.