Keerthana Mahalakshmi Srinivasulu

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EXPERIENCE

Software Engineer | Ramp Tech Group (IT Consulting) | Canada — Dec 2024 – Present

- Optimized backend processes by developing efficient data structures and algorithms, which improved data retrieval speed by 30%, leading to faster system performance and reduced API response times.
- Collaborated in refactoring codebases during detailed code reviews, enforced clean coding standards, and mentored teammates, resulting in a 15% improvement in code quality and long-term maintainability.

Frontend Developer | ISWAD (IT Services & Consulting) | Canada — May 2024 – Nov 2024

- Developed responsive UI components using React.js, optimizing for cross-browser compatibility and increasing user engagement by 20% through enhanced interactivity and usability.
- Applied advanced performance optimization techniques (e.g., reduced DOM manipulation, efficient data fetching), improving application load times and responsiveness.
- Integrated RESTful APIs and performed database optimization through advanced SQL queries, reducing data processing time by 25% while ensuring data integrity and improving retrieval efficiency.
- Led a team in implementing new design frameworks, resulting in a 30% increase in development efficiency and a 10% reduction in project costs.

Associate Software Engineer | Mphasis (IT Services & Consulting) | India — Mar 2021 - July 2022

- Modernized legacy web applications using React.js, improving UI responsiveness and accessibility across public-facing platforms; resulted in a 25% increase in user satisfaction scores and 18% drop in bounce rates.
- Developed reusable components and documented them using React Storybook, streamlining team collaboration and improving development efficiency by 30%.
- Built and maintained responsive web pages in *Adobe Experience Manager* by integrating custom templates, components, and client libraries, which accelerated content publishing speed by 35%.
- Collaborated with cross-functional teams to implement Domain-Driven Design (DDD) principles, aligning modern architecture with business goals and modernizing legacy systems into scalable architectures.

UI Designer | Mammal Digital (Digital Marketing) | Canada — Aug 2020 – Feb 2021

- Designed engaging, responsive web interfaces using Figma, ensuring alignment with brand guidelines and user-centered design principles, which improved user interaction rates by 15%.
- Created wireframes, user flows, and interactive prototypes, streamlining development handoff and reducing rework cycles by 20%.

EDUCATION

Dalhousie University: Masters in Engineering - Internetworking
Anna University: Bachelor of Technology - Information Technology
Courses: Advanced Networking, Cloud Computing, Network Security, Data Structures, Algorithms, Software Engineering, Database Management Systems, Web Technologies, Operating Systems, Computer Networks
Concentration: Network Design, Cloud Technologies, CyberSecurity, Software Development, Database Systems

TECHNICAL SKILLS

Skills: Testing and Debugging Code, Application Development, Technical Documentation, Requirement analysis, RESTful Architecture, Stored Procedures, CI/CD, DevOps, SDLC, Agile Development, Microservices
FrameWorks: React JS, Redux, Angular, Node.Js, .Net
Languages: HTML, CSS, JavaScript, TypeScript, C#, Java, Python, SQL, Unix, PowerShell
Tools: VS Code, Figma, Postman, Azure, AWS, SQL Server, Oracle, MongoDB, Docker, Git, Jenkins, Confluence, JIRA, AEM