AMALRAJ.R

Senior Software Engineer

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Highly experienced Senior Software Engineer (Years of experience: 6+ Years) specializing in designing, developing, and modernizing scalable software solutions using Angular and related technologies; seeking to leverage expertise in software development and leadership to drive innovation and deliver exceptional product quality within a dynamic software engineering environment.

PROFESSIONAL SUMMARY

- Accomplished Senior Software Engineer with 6+ years of experience excelling in designing, developing, and modernizing web applications using Angular and related technologies.
- Expertise in front-end development utilizing JavaScript Frameworks (Angular, React), TypeScript, HTML, CSS, Angular Material, and PrimeNG.
- Proven ability to modernize legacy systems resulting in improved performance, maintainability, and enhanced user experience.
- Significant experience in building and maintaining mission-critical Entitlement Management Systems.
- Successfully delivered scalable software solutions, collaborating with cross-functional teams which included QA, product and design to ensure timely releases and high product quality.
- Hands-on experience developing and implementing web applications leveraging Angular 2+, Material UI, and other frontend technologies to address specific and unique business needs.
- Proficient in configuring Wireless Device Manager to function as a Network Gateway, facilitating seamless communication between Third-party applications and the Field Device.
- Developed multiple Dynamic, interactive graphs for Multipoint Tests and Valve Signature Tests to empower stakeholders with clear visualizations of test data for decision-making and rapid analysis enhancement.
- Experience in building user-friendly features throughout including interactive prototype web pages and gathered user feedback to ensure alignment with user needs and fine-tune functionalities for an improved user experience.

SKILLS

Technical Skills: Angular, TypeScript, JavaScript, HTML, CSS, Angular Material, PrimeNG, Git, Bootstrap

Core Competencies: Solution Architecture, System Modernization, Requirements Analysis, Agile Development

Soft Skills: Collaboration, Problem-solving, Communication, Adaptability

WORK EXPERIENCE

Senior Software Engineer

Nov 2019 - Present

Utthunga Technologies Pvt Ltd. (Bengaluru)

Responsible for designing, developing, and maintaining sophisticated software solutions; collaborating with cross-functional teams to ensure seamless project execution, timely releases, and exceptional product quality; also responsible for providing client support by swiftly resolving technical issues.

- Engineered scalable software solutions utilizing Angular 8+, Angular Material, and PrimeNG, aligning with evolving business requirements.
- Collaborated with cross-functional teams, including design, product, and QA, ensuring seamless project execution, timely releases, and exceptional product quality.
- Provided client support, swiftly resolving intricate technical issues to ensure seamless user experience and high levels of customer satisfaction.
- Spearheaded the development and maintenance processes surrounding the Entitlement Management System; this was paramount to ensuring seamless access whilst delivering enhanced user satisfaction.
- Led major initiatives dedicated to modernizing outdated legacy systems for varied clients through careful migrations towards modern architectural strategies; applied Angular, React, and Material UI for performance and maintainability augmentation, alongside superior user experience provisioning.

Achievements:
- Enhanced user experience through the creation and maintenance of Entitlement Management System
- Demonstrated the ability to efficiently improve performance, maintainability and user experience through successful modernization of outdated legacy systems for various clients through careful migrations towards Angular, React and Material UI

Software Engineer

Sep 2019 - Nov 2019

Xenovex Technologies Pvt. Ltd (Chennai)

No explicit work description provided in the resume for Xenovex Technologies Pvt. Ltd.

Web Developer

Aug 2018 - Aug 2019

Dots it Solutions (Chennai)

Responsible for designing, developing, and implementing web applications tailored to satisfy unique business requirements; collaborated with team members to ensure seamless feature integration, adhering to best practices for code quality and performance optimization.

- Designed, developed, and implemented web applications tailored to align with unique business specifications and regulations.
- Worked collaboratively with team members, and other stakeholders to ensure seamless feature integration, adhering to top practices for code quality and enhancement of performance.
- Developed and actualized web applications leveraging Angular 2+, Material UI, and other frontend technologies, enabling business needs to be addressed specifically.

Achievements:
- Engineered a successful e-commerce platform that integrated seamlessly with healthcare and school management system functionalities to enhance business operations and to boost customer engagement.
- Developed interactive prototype web pages to gather user feedback, ensuring alignment with user requirements and refining functionalities for an optimal user experience that reduced bounce-rates and generated enhanced customer satisfaction.

EDUCATION

MCA Computer Application
Sri Ramakrishna Mission College of arts and Science, Coimbatore, Tamil Nadu
(2016 - 2018)

BCA Computer Application
Sri Ramakrishna Mission College of arts and Science, Coimbatore, Tamil Nadu
(2013 - 2016)

ACHIEVEMENTS

- Engineered robust and scalable software solutions, utilizing expertise in Angular 8+, Angular Material, PrimeNG, and related technologies, to meet evolving business needs.
- Developed and maintained a mission-critical Entitlement Management System, ensuring seamless user access and contributing to enhanced user satisfaction.
- Successfully modernized legacy systems for diverse clients by migrating them to modern architectures using Angular, React, and Material UI, resulting in improved performance, maintainability, and a superior user experience.
- Successfully transformed a legacy system, enhancing its performance, user experience, and maintainability, by upgrading it with modern technologies such as Angular, ReactJS, Angular Material, and Material UI, delivering a scalable and responsive solution aligned with current industry standards.
- Developed and implemented web applications leveraging Angular 2+, Material UI, and other frontend technologies, to address specific business needs.
- Built an e-commerce platform integrated with healthcare and school management system functionalities, enhancing business operations and customer engagement.
- Created interactive prototype web pages to gather user feedback, ensuring alignment with user needs and refining functionalities for an optimal user experience.

Projects

Auto AI (Jan 2021 - March 2021)
- Auto AI | Jan 2021 - Mar 2021: Engineered robust application architecture, building a comprehensive platform for optimal project and user management through leading technologies (Angular 10, Angular Material, Primefaces, Git).
- Developed core functionalities boosting project lifecycle management and enabling seamless, efficient project creation, viewing, editing, and deletion.
- Successfully integrated options enabling direct project access enabling structure visualization, engine loading, and Jupyter Notebook launching, thus streamlining workflows markedly for notable gains in overall enhanced productivity.

Wireless Device Manager | Angular 10, Node JS (Nov 2019 - Jan 2021)
- Wireless Device Manager | Nov 2019 - Jan 2021: Designed and developed a comprehensive Wireless Device Manager Application, leveraging key frameworks (Angular 8, Angular Material, PrimeNG).
- Centralized key functionality enabling efficiency in comprehensive wireless network activities (design, commission, configure, monitor).
- Implemented functionalities to commission and configure associated field devices thereby enhancing efficiency in network management.

- Engineered operation of Wireless Device Manager as an efficient network gateway, thus facilitating seamless communication between third-party applications and field devices.

TI Device HTML5
- TI Device HTML5: Engineered test functionalities for Multipoint/Valve Signature tests, enabled by Angular 16, Angular Material & associated technologies.
- Developed test reports, providing actionable software insights ensuring high-quality results.
- Designed dynamic/interactive graphs to showcase Multipoint & Valve Signature Tests, enhancing stakeholder analysis/decision-making.

Sculumberger (SLB)
- Sculumberger (SLB): Developed Operator Dashboard via Angular 16/Material for Real-Time updates (sensor calibration/landing status).
- Enabled Operators generation of Sensor Reports increasing analysis/decisions.
- Implemented Job Management aiding Operator addition, edits & platforms cloning.
- Ensured Dynamic detections via Job Configurations amplifying Operations.

Asset Sentinel Model Development
- Asset Sentinel Model Development: Designed/Implemented robust notification panel, enabling tracking of new and in-progress events (utilizing Angular 10 and Angular Material).
- Developed comprehensive fault/Asset Summary components to accurately detail results.
- Integrated Global Search functionality in Notification Panel to enable rapid retrieval of optimized search results (Angular 10, Material).

Hobbies

Coding, Tech Blogs, Web Design, Learning, Problem Solving

LANGUAGES

English, Tamil