SREE HARSHINI KOTLA

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SKILLS

Programming Languages : C#, Java, JavaScript, TypeScript
Web Development : HTML, CSS, ReactJS, Angular 10+, NodeJS, Nest, jQuery, ExpressJS, Bootstrap, Redux
Database Management : Oracle, SQL (MySQL, PostgreSQL), Amazon RDS, MongoDB
Frameworks : Spring Boot, REST/SOAP, Kafka
Tools & Environment : AWS (EC2, S3, Lambda), Webpack, NPM Scripts, JIRA, Git, Docker, Jest, Mocha, Postman
Core Concepts: Software Design, Data Structures, Algorithms, Agile Methodologies (Scrum), CI/CD Pipelines, Testing

PROFESSIONAL EXPERIENCE

Full Stack Developer | *SDH Systems LLC*   *Oct 2024 - Present*
- Spearheaded the design and development of a web application for a law firm using React.js, Angular, JavaScript, HTML, CSS, and Figma, providing an intuitive user interface.
- Integrated Webpack and NPM Scripts to optimize asset bundling, improving load times and overall performance.
- Implemented MongoDB for efficient data storage, enabling secure handling of client records, case histories, real-time updates, and ensuring high availability for critical operations.
- Enhanced collaboration and version control by leveraging Git and GitHub workflows, ensuring smooth team integration and faster deployment cycles.
- Utilized AWS S3 for hosting assets and ensuring high availability and scalability of website resources.
- Designed RESTful APIs to facilitate integration with third-party services, enhancing platform's functionality extensibility.
- Conducted rigorous testing and debugging using Jest, Postman, and automated testing tools, ensuring cross-browser compatibility, robust performance, and adherence to security best practices.
- Integrated TypeScript for improved code quality, ensuring better type safety, code maintainability, and scalability.
- Participated in Scrum meetings, including daily stand-ups, sprint planning, and retrospectives to ensure smooth collaboration and timely project delivery.

Career Engagement Intern | *Texas A&M University, Kingsville, TX*   *Jun 2023 - May 2024*
- Developed a scalable web application for course scheduling using React.js, Angular, Java, and Spring Boot, enhancing efficiency and user experience.
- Integrated Kafka for real-time updates, reducing latency and enabling seamless communication between services.
- Optimized data storage and retrieval with Amazon RDS, improving system performance for scheduling & user records.
- Enhanced functionality by integrating data visualization features to provide insights into course distribution, enrollment trends, and schedule efficiency.
- Conducted unit tests using Jest and Mocha, ensuring code reliability and improved test coverage.
- Collaborated with stakeholders using Agile best practices and actively participated in Scrum ceremonies to prioritize tasks, address blockers, and align project goals.
- Maintained comprehensive technical documentation for consistent communication with stakeholders

Software Engineer | *Cognizant, INDIA*   *May 2021 - Aug 2022*
- Developed a dynamic seat allocation engine for airlines using React.js, Angular, TypeScript, Java, and Spring Boot, increasing efficiency and reducing errors by 25%.
- Integrated Kafka for real-time messaging and PostgreSQL for transactional data storage, ensuring seamless data synchronization and improving system responsiveness during high-demand operations.
- Designed and deployed RESTful APIs to handle complex reservation logic, enhancing secure user authentication, seat management, and error-handling capabilities for reliable operation.
- Adopted Docker for containerizing application components and implemented CI/CD pipelines, streamlining development, automated testing, and deployment across multiple environments with improved efficiency.
- Actively engaged in Scrum ceremonies, including sprint reviews & retrospectives, to track progress & improve efficiency.
- Collaborated with cross-functional teams -QA & DevOps teams, to troubleshoot critical issues, resolve technical challenges

EDUCATION

Master of Science in Computer Science | Texas A&M University - Kingsville   CGPA: 4.0   *Jan 2023 - May 2024*
Coursework: DataBase Management Systems, Computer Architecture, Operating Systems, Computer Networks

ACADEMIC PROJECTS

- **EXAM STUDY TOOL:** Built and deployed a scalable exam preparation platform using React.js, Node.js, Express.js, and AWS (EC2, RDS), boosting user retention by 50% and achieving 40% faster data processing. Optimized data management for 1,000+ user records, articles, and test details with AWS RDS MySQL, improving data retrieval and system uptime by 30%.
- **APPOINTMENT SYSTEM:** Developed a web application for scheduling patient appointments using React, Node.js, Spring Boot, and MongoDB, ensuring seamless functionality and optimized user experience. Designed intuitive user interfaces with jQuery, Bootstrap, and Ajax to enhance usability and interaction.

CERTIFICATIONS

• AWS Cloud Practitioner Essential Certification	*Mar 2024*	• Data Modelling using Erwin	*Mar 2022*
• SQL using MySQL and Data Base Design	*Feb 2022*	• Relational Database Design.	*Mar 2022*