

SREE HARSHINI NAIDU KOTLA

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PROFESSIONAL SUMMARY

Full Stack Developer with 2+ years' experience and a 4.0 GPA Master's in CS. Skilled in building secure, scalable apps using C#/.NET, Java, SpringBoot, React, Angular, and AWS. Hands-on with CI/CD, API automation, and Agile delivery, passionate about DevOps and driving team innovation.

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

TECHNICAL SKILLS

Programming Languages : C#, Java, JavaScript, TypeScript, Python

Frameworks & Libraries : ASP.NET Core, Entity Framework, Spring Boot, ReactJS, Angular 10+, NodeJS, NestJS

Web Development : REST/SOAP APIs, HTML, CSS, jQuery, Bootstrap, Redux, ExpressJS

Database Management : SQL (MySQL, PostgreSQL, Oracle), Amazon RDS, MongoDB, JSON, XML

Cloud Technologies : AWS (EC2, S3, Lambda, RDS), Docker

DevOps & Testing : Git, GitHub, CI/CD Pipelines, Selenium WebDriver, Jest, Mocha, Postman, NPM Scripts, Webpack

Infrastructure as Code (IaC): Ansible, Terraform

Core Concepts: Software Design Patterns, Object-Oriented Programming, Data Structures, Algorithms, Agile (Scrum), Microservices Architecture, TDD principles

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, Javascript, and a C#/.NET backend, providing an intuitive UI and robust functionality based on technical specifications.
- Enhanced software quality by creating test scenarios and executing automated UI tests (Selenium), reducing critical bugs by 30%.
- Developed and executed automated unit/integration tests (Jest) and API validation scripts (Postman), significantly improving test coverage and system reliability.
- Implemented MongoDB for secure handling of 10K+ client records, ensuring high availability and compliance.
- Utilized AWS S3 for hosting assets; designed and implemented RESTful APIs with C#/.NET Core to facilitate third-party integrations.
- Contributed to DevOps workflows by integrating Webpack/NPM Scripts and participating in CI/CD pipeline improvements.
- Actively participated in Agile (Scrum) ceremonies, including code reviews, sprint planning, and retrospectives.

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, and a C#/.NET backend, enhancing efficiency and user experience.
- Implemented UI automated tests using Selenium to ensure the reliability of course registration and scheduling features.
- Integrated Kafka for real-time updates; optimized data storage and retrieval with Amazon RDS.
- Enhanced code reliability by developing unit tests (Jest/Mocha), contributing to improved software quality.
- Collaborated with stakeholders using Agile best practices and actively participated in Scrum ceremonies

Software Engineer | Cognizant, INDIA

May 2021 - Aug 2022

- Engineered a seat allocation engine for a major airline using React.js, Angular, TypeScript, and Spring Boot, increasing allocation efficiency by 25%.
- Integrated Kafka for real-time messaging and PostgreSQL for transactional data storage, ensuring data synchronization.
- Designed & deployed RESTful APIs to handle complex reservation logic like secure user authentication seat management.
- Streamlined development and deployment by containerizing application components with Docker and implementing CI/CD pipelines, contributing to automated testing and cutting release cycle times by 40%.
- Actively engaged in Scrum ceremonies, including sprint reviews & retrospectives, to track progress & improve efficiency.
- Collaborated effectively with QA and DevOps teams in an Agile environment to troubleshoot critical issues and resolve technical challenges, ensuring system stability

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

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| • AWS Cloud Practitioner Essential Certification | <i>Mar 2024</i> | • Data Modelling using Erwin | <i>Mar 2022</i> |
| • SQL using MySQL and Data Base Design | <i>Feb 2022</i> | • Relational Database Design. | <i>Mar 2022</i> |