SREE HARSHINI NAIDU KOTLA 🌐

LinkedIn | harshini.lns195@gmail.com | 5129024041 | Austin, TX(Open to Relocate) | Portfolio| GitHub

SKILLS

Programming Languages : Java, JavaScript, Python, C#, C++, C, TypeScript
Web Development : HTML, CSS, ReactJS, Angular 10+, NodeJS, Nest, jQuery, ExpressJS, Bootstrap, Redux
Database Management : Oracle, SQL, MongoDB, MySQL, SQLite3, PostgreSQL
Frameworks : Spring Boot, .NET Framework, Vue.js, REST/SOAP, Graph QL, Micronaut
Tools & Environment : AWS (EC2, S3, Lambda), Visual Studio Code, IntelliJ, Bash, JIRA, Git, Jest, DevOps, Azure
Core Concepts: Data Structures, Algorithms, Software Design & Architecture, OOP, Operating Systems, Testing , Debugging

PROFESSIONAL EXPERIENCE

Software Engineer | *IBM, INDIA*   *May 2019– Aug 2022*

- Developed a dynamic seat allocation engine for airlines using Angular for the front end, providing an intuitive and responsive interface for users to select and manage their seats, resulting in a 30% increase in user engagement.
- Implemented robust server-side logic and RESTful APIs with Nest.js to handle complex seat allocation algorithms, secure user authentication, and efficient reservation management, reducing seat allocation errors by 25%.
- Utilized PostgreSQLfor data storage, managing flight schedules, seat maps, user profiles, and reservation details, ensuring efficient and scalable data operations.
- Leveraged microservices frameworks such as Micronaut for backend development, optimizing the processing of seat allocation tasks and improving system modularity.
- Integrated AWS services, including S3 for storing flight-related documents, EC2 for scalable deployment, and RDS for managed PostgreSQL databases, enhancing application reliability and performance with a 99.9% uptime.
- Adopted Docker for containerization, enabling development, testing, and deployment across multiple stages.
- Collaborated with cross-functional teams, UX designers, QA engineers, and DevOps, to ensure a seamless user experience, rigorous testing, and continuous integration and deployment (CI/CD) practices.

Software Engineer | *Texas A&M University, Kingsville, TX*   *Jun 2023 – May 2024*

- Developed a web application for university professors using React js, enabling efficient course scheduling and management.
- Implemented server-side logic and RESTful APIs with Node js to handle course data, scheduling algorithms, and user authentication.
- Utilized PostgreSQL for data storage, managing course details, professor schedules, and student enrolments.
- Integrated AWS services, such as S3 for document storage and EC2 for scalable deployment, enhancing application reliability
- Adopted Agile methodologies and CI/CD practices, ensuring continuous integration, testing, and deployment for rapid iteration and high-quality release

Graduate Research Assistant | *Frank H Dotterweich ENGC, Texas A&M University, TX*   *Jun 2023– Aug 2023*

- Delivered engaging instruction in 'Analysis of Algorithms', 'Machine Learning', and 'Artificial Intelligence' courses, driving a 10% improvement in average student grades.
- Utilised innovative teaching methods and continuous assessments to enhance student understanding and performance

EDUCATION

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

ACADEMIC PROJECTS

EXAM STUDY TOOL: Engineered a multilingual platform for effective learning, leveraging ExpressJS for back-end and AWS EC2 for hosting. Implemented robust security measures with Google OAuth and managed data efficiently using AWS RDS MySQL.   *Jan 2023 -Aug 2023*

WOMEN SAFETY WEB APP: Architected and developed a Web App to enhance women's safety, utilising Django for back-end and integrating Geo-Django Google Maps API for location-based alerts. Ensured data integrity with SQLite3 database management   *Feb 2022–May 2022*

ACHIEVEMENTS		CERTIFICATIONS	
Recipient of Deans Scholarship	*Jan 2023*	AWS Cloud Practitioner Essential Certification	*Mar 2024*
1st place in Masters Capstone Project	*Dec 2023*	AWS Technical Essentials	*Apr 2024*
Finalist in Smart India Hackathon by Gov of India	*May 2019*	SQL using MySQL and Data Base Design	*Feb 2022*
Early Talent award from IBM	*July 2022*	Relational Database Design	*Mar 2022*
Solved 200+ problems on LeetCode	*Jan 2018*	Data Modelling using Erwin	*Mar 2022*