

Srikar Chanamolu
Software Engineer
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PROFESSIONAL SUMMARY

Experienced Software Engineer with over 4 years of experience, adept at creating Full-Stack applications and specializing in Data Engineering. Possesses strong debugging skills and an excellent ability to comprehend code while thriving in a team-based environment.

PROFESSIONAL EXPERIENCE

Software Engineer

University of Nebraska, Lincoln, NE

Jan 2024–Present

- Develop a website for the Biological Systems department team to control Agriculture Robots (FlexRO).
- Create a comprehensive portfolio for the team while integrating features for monitoring plantation and crop status via a Heatmap.
- Utilized Angular 17 and TypeScript for frontend development, and Express and MongoDB for backend architecture, ensuring a seamless user experience.
- Skills: Angular, Express, Node, Bootstrap, TypeScript

Software Engineer intern

Election Systems and Software, Omaha, NE

May 2023–Jan 2024

- Implement audio testing functionally for Tabulation Machines from scratch, ensuring thorough testing of audio leaving the UVC and making necessary adjustments for ESS policy compliance.
- Collaborate in the development of a feature utilized in tandem with a soundproof box to conduct thorough sound level testing for headphones.
- Develop and integrate a secondary feature enabling non-intrusive control of device audio without the need for code modification.
- Skills: Angular JS, C++, C#, jQuery, Bootstrap, HTML, PUG.

Key Achievement:

- Enhanced the voting experience for individuals with hearing disabilities by ensuring accurate audio levels.

Graduate Teaching Assistant

School Of Computing University of Nebraska-Lincoln, Lincoln NE

September 2022-December 2023

- Taught Undergraduate Courses in Computer Organization (CSCE-230) and Computer Engineering (CSCE-231).
- Provided assistance to students in Programming Assignments and labs specializing in C++, Data Structures and Algorithms.

Key Achievement:

- Received recognition as the Best Graduate Teaching Assistant among 98 other GTAs.
- Delivered lecture CSCE-230 in front of 180 students.
- Assisted professors in automating the grading process by creating scripts for auto-grading assignments.

Cyber Security Engineer

University of Nebraska System, Lincoln Nebraska

June 2022-September 2022

- Oversaw and safeguarded the university network, ensuring its security and protection against potential breaches.
- Skills: Tenable.sc, Open SSL, Splunk, Duo, Palo Alto Network Cortex, SL Injection.

Key Achievements:

- Increased network protection rate by 7.8%

Systems Engineer (Full Stack Developer & Data Engineer)

Tata Consultancy Services (Ericsson), Hyderabad, India

September 2018-December 2022

- Developed and managed website dedicated to tracking Sprint progress, fostering efficient project management and communication within the team.
- Handled Client 5G hardware for clients taking charge of programming call and data traffic to ensure optimal functionality and performance.
- Possess solid Java fundamentals, demonstrating proficiency in Object-Oriented Programming (OOP), data structures, design patterns, collections, and related concepts.
- Engaged in the end-to-end software development lifecycle, including designing, developing, coding, testing, debugging, documenting, and installing programs.
- Leveraged advanced Power BI skills for administration, gold later data models, and report/dashboard design-making in complex projects.
- Technologies used: HTML, CSS, Java, Angular, REST, API, jQuery, Java.
- Script, Spring, Hibernate, Docker, Kubernetes, Git, React, Pyspark, Spark DFS, PowerBI, Python, Tableau, Data Bricks.

Key Achievements:

- Received employee of the month award 6 times for consistently outstanding performance.
- Streamlined operations by automating more than 80% of the manual tasks.

EDUCATION

Masters in computer science

University of Nebraska-Lincoln, Lincoln NE

January 2022-December 2023

Bachelors in computer science engineering and technology

GITAM University, Vizag, IN

SKILLS

- **Programming Languages:** C, C++, C#, Java, Python, TypeScript, php, JavaScript
- **Web Development:** HTML, CSS, JavaScript, Angular, AngularJS, REST API
- **Database Management:** MySQL, MongoDB, PostgreSQL
- **Software and Tools:** Git, JIRA, Docker
- **Frameworks:** Spring (Java), Hibernate
- **Testing:** Unit Testing, Automated Testing, Selenium
- **DevOps:** Maven, Splunk, Bitbucket, GitLab, Gradle, Jenkins

CERTIFICATIONS

- Java Spring Framework Certification, Course Era (DFL474RK6YAD)
- Remote Internship Certificate, TCS

PUBLICATIONS

- Java Measuring Vowel Harmony within Hungarian, the Indus Valley Script Language, Spanish and Turkish Using ERGM (10.1145/3548785.3548788)
Publication Venue: ACM Digital Library DOI (Digital Object Identifier)
Publication Date: August 2022