Sreetej Reddy Nagarimadugu

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Software Engineer

Experienced Software Engineer with a demonstrated history of working in the information technology and services industry. Skilled in Spring Boot, ReactJS, Ruby on Rails, and Python. Served in fast-paced environments, participated in design and implementation of distributed systems in Biotechnology and Robotics. Strong engineering background with a Bachelor of Technology focused in Computer Science.

TECHNICAL EXPERIENCE

SOFTWARE ENGINEER I   **Jul 2021 – Present**
ZeMoSo Technologies
- Primary contributor in integrating an Electronic Lab Notebook with a cloud lab platform so that scientists can model chemical reactions in the notebook and push them as tasks to be executed in the cloud lab.
- Worked on transitioning a Robotics cloud lab into a group of microservices, making the application environment more scalable and reducing feature enhancement time.
- Developed a CI/CD infrastructure of integration testing framework(cypress) that evaluates the compliance of the system with specified functional requirements
- Mentored 15+ interns, conducted several Interviews.

ASSOCIATE SOFTWARE ENGINEER   **Jun 2020 – Jul 2021**
ZeMoSo Technologies
- Developed and managed a Cloud lab platform and worked on transitioning the platform into a PaaS by designing and implementing role-based authorization and lab-based feature constraints.
- Contributed to a proprietary UI SDK in React that is used in the Robotics Cloud Lab.
- Sole contributor of a microservice that is a part of an in-house coding assessment platform responsible for auditing code changes periodically. This microservice constantly consumes the assessment data and exists to confirm the authenticity of the test taker.
- Interacted with AWS EC2, Docker and K8s environments to deploy web apps.

SOFTWARE DEVELOPER INTERN   **Jun 2019 – Jun 2020**
ZeMoSo Technologies
- Developed an task-management application by integrating Google SSO(single sign-on) with React as the UI framework.
- Led development in an RFID-based access-control system using ESP8266 MCU, integrated this with microservices responsible for managing user information, card information, and created a web application that provides UI to manage features for the access-control system.

BACKEND DEVELOPER INTERN   **Mar 2019 – Apr 2019**
Perfectice
- Worked on an AI-Based online educational platform that is built on Flask with MongoDB, predominantly worked on API services that analyses reports and generates user artifacts .
- Built automation scripts using python in the infrastructure environment in order to clean up and organize files .

EDUCATION

Bachelor of Technology in Computer Science, *Gokaraju Rangaraju Institute of Engineering and Technology*   **2016-2020**

- CGPA - **9.72 / 10**
- Awarded Certificate of Excellence for securing first position in the class of 2020 CSE(in year III, and IV I semester).

High School(12th grade), *Sri Chaitanya Junior College Percentage -* **96%**   **2014-2016**
High School(10th grade), *Silver Oaks International School* **CGPA - 9.4 / 10**   **2013-2014**

CERTIFICATIONS AND ACTIVITIES

- Open source Contributor -
  Material-UI - UI library for React
  Autoprotocol - language for specifying experimental protocols for scientific research
- Second place in Challenge ACI (Nationwide hackathon)   Oct 2018
- Certified in **Oracle Academy Database Design**   Mar 2018
- Certified in **Oracle Academy Database Programming with SQL**   Mar 2018
- **Microsoft Technology Associate** for Networking Fundamentals   July 2017
- Winner of the event Beat the clock(finding bugs in code snippets) organized by X-Kernal at Department of IT GRIET   Apr 2017
- Certified in PHP and MySql by IIT Bombay(Indian Institute of Technology Bombay)   Jan 2018
- Participated in Artificial Intelligence workshop organized by IIOT(Indian Institute of IOT)   Oct 2017