SYAM PRASAD CHITLURI

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SUMMARY

Computer Science graduate student with 3-years of hands-on experience in Kubernetes, IaaS, PaaS, SaaS, Containerization, and CI/CD, Seeking full-time roles.

EDUCATION

Master of Science, Computer Science
Portland State University • GPA: 3.85 • Portland, OR • 2024

Bachelor of Technology, Computer Science and Engineering
Gitam Deemed to be University • GPA: 7.89 • Visakhapatnam, India • 2020

SKILLS

Programming Languages: C, C++, Java, Python
Front End: HTML, CSS, Bootstrap, JavaScript
Technical: Linux, Computer Networking, Operating Systems, Shell Scripting
Tools & Technologies: OpenShift, Kubernetes, Terraform, Docker, Git, Bitbucket, Helm, Sonar, Nexus, AWS, Azure, GCP Cloud services, Axway API builder, Scikit-Learn, Pandas.

EXPERIENCE

Product Engineer Co-Op • Boehringer Ingelheim   **Feb 2024 - Present, Ridgefield, CT, USA**

- Developed APIs in Node.js using the Axway API builder for the web application, enhancing system functionality. Achieved a 25% reduction in API response time.
- Assisted in the development of requirements and presented solutions to address business challenges.
- Contributed to rapid prototyping and the creation of minimum viable products.
- Collaborated with IT colleagues to understand and analyze business processes, identifying needs and areas for improvement.
- Deployed applications with modern infrastructure using Docker and OpenShift, ensuring efficient and scalable solutions, resulting in a 40% reduction in hosting costs

Graduate Teaching Assistant • Maseeh College of Engineering and Computer Science   **Sep 2023 - Dec 2023, Portland, OR, USA**

- Assisted in teaching Sys Admin & DevOps course, offering guidance and support to students.
- Evaluated and graded assignments and projects, providing feedback to enhance student understanding and performance.

Software Engineer • Accenture Solutions Pvt. Ltd   **Dec 2021 - Sep 2022 , Bangalore, India**

- Designed architecture application workflow for Red Hat OpenShift on various clouds like Azure, AWS and Managed OpenShift (ARO), resulting in a remarkable 50% increase in client deployments.
- Developed customized Helm Charts for various OSS DevOps tools enabling one-click deployment strategy with Kubeapps and reducing deployment time by 25%.
- Developed Terraform scripts for provisioning of Cloud Infrastructure, enhancing the creation of K8s clusters across public clouds like AWS, Azure, and GCP, leading to an impressive 40% reduction in provisioning time.
- Created an automated Jenkins workflow to automate the environment readiness process across different environments.
- Configured Grafana and Prometheus for monitoring the platform in various k8s environments like KOPS, AKS and EKS, improving the resource utilization and reducing the incident response time by 20%.

Associate Software Engineer • Accenture Solutions Pvt. Ltd   **Aug 2020 - Nov 2021, Bangalore, India**

- Successfully completed Greenfield training in Advanced Java, and Spring MVC framework, by completing training goals and meeting all mandatory requirements within the stipulated time.
- Created multistage docker files, for various OSS DevOps tools by customizing open-source images. and built the customized Docker images using docker/podman/kaniko, resulting in an impressive 30% reduction in both image size and build time.

Data Analyst Intern • Tarantula Global   **May 2019 - May 2019, Hyderabad, India**

- Utilize Python and other programming languages for data manipulation, cleaning, and visualization.
- Assisted in the development and implementation of predictive models and data visualizations.

PROJECTS

Comparing Logistic Regression and Decision Tree for Titanic Survival Prediction • July 2023 - July 2023

- Conducted a comprehensive analysis to compare the performance of Logistic Regression and Decision Tree models in predicting survival outcomes for passengers aboard the Titanic.
- Trained models on the training dataset using scikit-learn library and evaluated the performance using various metrics.

Personal Website Portfolio • Portland State University • March 2023 - March 2023

- Developed a portfolio website utilizing HTML, CSS, Bootstrap, and JavaScript, deployed this using GitHub Pages.

Air Assist - Voice Assistant • Portland State University • March 2023 - March 2023

- Developed a sample voice assistant named "Air Assist" using Google Dialogflow. Used custom entities and fulfillment logic for all the intents, enabling seamless interaction and effective handling of users requests.

CERTIFICATIONS

Certified Kubernetes Administrator • The Linux Foundation • 2023
Microsoft Certified Azure Fundamentals • Microsoft • 2021

ACHIEVEMENTS

Received the **Client Value Creation** Award for a successful client implementation, showcasing dedication and value-driven results.
Recognized with the **Care Deeply For All Our People** award for Knowledge Transfer session to new joiners.