SUBBARAMI REDDY KARAPUREDDY

Associate DevOps Engineer

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Personal Profile

Accomplished Full Stack Developer and DevOps expert, proficient in the MERN stack, AWS, and orchestrating CI/CD workflows. Successfully delivered robust web applications, optimizing performance and user experiences. A key contributor to seamless project lifecycles, integrating DevOps methodologies, ensuring scalable, efficient deployments, and leveraging expertise in infrastructure development using Terraform, AWS CDK, and AWS CloudFormation. Additionally, well-versed in container orchestration, particularly with Kubernetes. Adaptable and innovative, consistently achieving excellence in dynamic development environments.

Work Experience

Advanced Business and Healthcare Solutions
Bangalore, India

Associate DevOps Engineer
May 2023 - present

- Currently leading Kubernetes deployment for a Java based product using AWS EKS service and DocumentDB for efficient database management.
- Successfully migrated Harness automation workflows to AWS Systems Manager Automation services, streamlining processes and enhancing automation capabilities.
- Spearheaded continuous integration efforts using GitHub Actions, ensuring robust build and test processes for applications.
- Implemented Harness for efficient and automated continuous deployment in AWS environments.
- Designed a full-stack web application for logging and monitoring, aligning with my responsibilities to optimize the product for enhanced performance.
- Designed and implemented AWS CloudFormation templates and AWS CDK for building and maintaining infrastructure.
- Managed backup processes for RDS instances, ensuring data integrity and disaster recovery capabilities.
- Collaborated in the transition from individual tasks to pivotal roles in key projects, showcasing adaptability and technical expertise.
- **Technical Skills:** Git, GitHub, Linux, Docker, Kubernetes, GitHub Actions, Harness FirstGen and Nextgen, Nodejs, Python, AWS Services (EC2, S3, RDS, ECR, ECS, EKS, DocumentDB, System Manager-Automation, Lambda, Route53, ACM, CloudFormation, CDK, CloudWatch) .

Advanced Business and Healthcare Solutions
Bangalore, India

Trainee Engineer
Feb 2023 - May 2023

- Attended mentorship meetings during the internship, gaining hands-on experience in DevOps principles and AWS services. Applied insights to real projects, cultivating practical skills in cloud computing
- Proficiently deployed and managed full-stack applications on AWS, utilizing EC2 instances and RDS services.
- Streamlined application deployment through Elastic Beanstalk, Docker, and Docker Compose for efficient management.
- Demonstrated advanced skills in container orchestration with deployments on Amazon ECR, ECS, Minikube, and Amazon EKS.
- Implemented robust continuous integration using GitHub Actions, enhancing the build and test processes.
- **Technical Skills:** GitHub, Linux, Docker, Kubernetes, AWS Services (EC2, RDS, ECR, EKS, EB),Nodejs, Reactjs, MongoDB.

Education

Rajeev Gandhi Memorial College of Engineering and Technology
Nandyal, Andhrapradesh

B.Tech in Computer Science and Engineering
Aug 2019 - May 2023

- Completed the Bachelor's Degree with Distinction
- CGPA 9.1
- **Courses:** Cloud Computing, Programming Languages, Computer Networks, DevOps

Sri chaitanya junior college
Tirupati, India

Intermediate in Mathematics Physics and Chemistry
Jun 2017 - Apr 2019

- Passed with Distinction (CGPA 9.9)
- Specialised in Physics, Chemistry, and Maths with Computer Science
- Selected for INSPIRE Internship Science Camp 2017, sponsored by the Department of Science and Technology, Government of India among the top of the college

Sai baba high School
Kadapa, India

High School
Apr 2014 - Apr 2017

- Passed with Distinction (CGPA 9.8)
- Active participation in Bharath Scouts Guide from July 15, 2012, to March 14, 2017. Successfully completed the Trutiya Sopan, demonstrating commitment and achievement in scout activities.

University Projects

SECURE TRANSMISSION OF ASYMMETRIC BASED ENCRYPTED DATA USING COMPRESSION BASED STEGANOGRAPHY   *Nandyal, India*

Rajeev Gandhi Memorial College of Engineering and Technology   *Aug 2022 - Dec 2022*

- This Project is Capable with the secure Transmission of secret data using the cryptography and steganography. Implemented with the efficient DevOps Principles
- We mainly focused on the secure Transmission.so,we designed this to transmit the secret information in Encrypted format along with compression techniques and hided data in the images using the steganography.
- Application is developed using TKinter package to provide the Graphical User interface (GUI).
- **Technical Skills:** Python (Tkinter,RSA,Huffman coding, Least Significant Bit (LSB), Discrete Wavelet Transform (DWT)

Schedule Management System   *Nandyal, India*

Rajeev Gandhi Memorial College of Engineering and Technology   *Mar 2022 - June 2022*

- This Project is Capable of generating a Timetable Based on the User Choice in an optimal Manner, implemented with the efficient DevOps Principles
- We mainly focused on the Education Institutions so,we designed this to select the timetable based on the staff choice.
- Application is containerized and deployed in the AWS using Elastic Kubernetes service(EKS) with RDS MySql Database.
- implemented the CI/CD pipelines with jenkins and Github Actions for continous improvements from the institutions with the collaborative work experience from the developers.
- **Technical Skills:** HTML, CSS3, JavaScript with ES6 modules, PHP, Bootstrap, MySql
- **AWS-services:** VPC, RDS, ECR, EKS

Skills

Programming	Java, Python, GO, CSharp, .Net(Asp,Asp.Net,ADO.Net) ,PHP, HTML/CSS, JavaScript, React, Nodejs, SQL, MongoDB.
Cloud Computing	AWS(Ec2,S3,EBS,EB, ECS, EKS, etc), Azure(VM, Blob, Disk, ACS, AKS, App Service, etc)
Miscellaneous	Linux(RHEL),REST,GraphQL, Harness, Jenkins, Git, Docker, Kubernetes, Terraform(Basics), MVC, Mircoservice.
Soft Skills	Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Certifications

2022	**Associate**, AWS Cloud Developer		*India*
2022	**Associate**, Azure Cloud Developer (AZ-204)		*India*
2022	**Associate**, Java Fullstack Development (Talent Next Wipro)		*India*
2022	**Elite**, Java Coding Ninjas		*India*
2021	**Basic**, Java Hackerrank		*India*
2021	**Level 1**, Javascript Cisco Networks		*India*
2021	**Level 1**, Network Essentials Cisco Networks		*India*
2020	**Leve 1**, Python Cisco Networks		*India*

Interests

Technical Writing	I write descriptive blogs about DevOps tools some of them are on my Hashnode, Medium and github.
Web Designing	I Designed a website for my college to organize the Ripple event with prove your skills motive. Ripple2k23.
Video Games	I always had the gaming gene. I mostly play on my phone and occasionally on my switch.

Languages

English	Professional proficiency
Telugu	Bilingual proficiency