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karanam Sai Shashank

DevOps Engineer

PROFESSIONAL SUMMARY

- **2+ years** experienced DevOps Engineer highly skilled in providing software solutions as well as managing the installation and configuration of solutions.
- Adept at collaborating with the software engineering team to deploy and operate different systems and to automate & streamline the operations proficient in **writing codes & scripts**, building independent web-based tools and solutions resolving product implementation errors.
- Good experience in configuration, supporting, and managing Server Clusters.
- Good Knowledge in developing web-based applications using **Python, Django** and **DjangoRestFramework**
- Experience in Amazon Web Services like **EC2, S3, IAM, RDS, VPC, ECR, ECS** and **Route53**
- Worked with varieties of Relational Databases (**RDBMS**) like **SQLite, Oracle, Postgresql**, and **Mysql**
- Hands-on experience in setting up databases in **AWS** using **RDS**, storage using **S3bucket**, configuring instance backups to S3 bucket, and **deployed** more than **ten instances** in **light sail**
- Hands-on experience in setting up and Configuring **google Kubernetes engine, Azure DevOps**, and **Docker** containers
- **Reduced costs** by ~\$1,000 each month by eliminating unnecessary servers and consolidating databases(using serverless databases like Postgres and MySQL)
- Implemented **Zulip** (chatbox), **GitLab**(private repository), Taiga(monitoring tool) individually using Aws which helped the company to decrease its investment in enterprise applications
- build Containers utilizing tool using **Docker**.
- Monitored and solved **Incident Management/Problem Management** issues.
- Knowledge of Hadoop Security (Kerberos).
- Good Knowledge of **UNIX** and **Shell scripting**.
- Actively involved in the administration and **Deploying** jars in **PEGA** Application.

PROFESSIONAL EXPERIENCE

DevOps Engineer - Tata Consultancy Services

Jan '20 - Present

Common Wealth Bank of Australia

Bangalore,India

Australian multinational bank with businesses across New Zealand, Asia, the United States and the United Kingdom.

Product: We Provide Next Bext Conversation to millions of customers using data of customers.

Servers: AWS EC2 provisioning Servers

Database: Oracle

Containers: Docker

Software Solutions

- Created server & components by application of Virtualisation Concept by deploying **Docker** containers
- Managed the installation/Configuration of solutions and documented process & metrics

Development& Scripting

- Performed key role in **coding & scripting** **YAML** files for Kubernetes and docker
- Ansible and Preparation of Environments | Terraform | Docker & Configuration | Kubernetes | DevOps Monitoring Tools

Server-Side Configs

- Conducted **load balancing** using **AWS Load Balancer** and **Nginx** to handle a constantly increasing user base
- Played a crucial role in **Caching server/logic setup** using **Redis**; led to 99% customer satisfaction

Server-Monitoring

- We provide 24/7 Eyes on glass monitoring. Perform initial triage for all assigned incidents, follow Run-books for known break fixes and engage where needed
- we are accountable for the end-to-end operational delivery of CDO products and services to different CBA businesses

JVB health wellness

Hyderabad City, India

Helping people improve their health and quality of life through a targeted approach of Personal Transformation

Product: Data reviews and analysis of your workouts, nutrition, sleep, movement from Fitbit, Garmin, and Apple watches

Servers: AWS - EC2, AWS - Light Sail

Database: Postgresql ,Dynamo DB

Containers: Docker

Software Development

- Created backend applications on the Python Django tech stack with a team of 3 people
- Created Project management tool **taiga** single-handedly for application maintenance

Software Solutions

- Using **Amazon-RDS** deployed **Postgres** server for the application backend
- Built docker containers for the production environment to ensure the hassle-free environment

Staging Environment

- To ensure CI/CD and delivery of the application implemented **Google Kubernetes engine** and **Azure DevOps**
- Configured GKE with 8 nodes along with a **load balancer** to distribute traffic equally

TECHNICAL SKILLS

- **Languages:** Python, Shell script and data structures
- **Technologies:** Linux server Administration, SSH, Docker, Kubernetes, Azure DevOps, Amazon Web Services, Amazon-RDS, Amazon-LightSail, Google Cloud, and Azure DevOps
- **Frameworks:** Django and Django Rest framework
- **OS:** Windows, Linux (Ubuntu, Fedora)
- **Software:** Apache, Nginx
- **Database:** MySQL, Postgress, Oracle, and SQL

CERTIFICATIONS

- AWS Certified Cloud Practitioner | Coursera
- Certified Professional in Python Programming | Coursera
- Certified Web Development Professional using Django| Hacker rank
- Certified in problem-solving | Hacker rank

WORKSHOPS

Attended the '**National workshop for Python Developers**' | **IIT -Bombay** |

- Gained exposure to the latest best practices in the world of Python programming

EDUCATION

SRI VENKETESWARA COLLEGE OF ENGINEERING AND TECHNOLOGY

May '15 - Apr '19

Bachelor of technology - Computer Science and Engineering

Chittoor, India

Carving the youth as dynamic, competent, valued and knowledgeable professionals who shall lead the Nation to a better future.

- **CGPA - 7.4/10**