RAJ KUMAR KOGURU

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# PROFILE SUMMARY

* *I am a talented DevOps Developer/Engineer. I design, develop, and maintain innovative software solutions that meet cilents’ needs. I can develop and maintain robust, scalable web applications. I can troubleshoot and debug issues as they arise.*
* *I will always stay up-to-date with emerging technologies and best practices. I can contribute to technical documentation and knowledge sharing.*
* *I am a team player. I can complete the projects within the timeline. I am well experienced in CI/CD and Containerization.*
* 1. 1.Excellent understanding of GitLabs, Terraform and AWS.  
  2.Expertise in using Maven and Jenkins for the CI/CD DevOps pipeline  
  3.Experience in for CI/CD pipeline and all the phases

# AREAS OF INTEREST

DevOps, Cloud Computing, Site Reliability Engineering

# SKILLS

**Tools -** CI/CD, Unit Testing, Object Oriented Programming, Data Structures, Algorithms, Software Development Methodologies, Microservices, DBMS, Full-Stack, SonarQube, Git, GitHub, Jenkins, Jira, Postman, Dev-C++, Docker, Kubernetes, Ansible, Terraform

**Technical Skills -** Java, Javascript, Python, Oracle SQL, HTML, CSS, React, jQuery, Maven, Oracle, AWS Cloud, Shell Scripting, Linux, Node.js, S3, DevOps, EC2, Containerization

**Microsoft Tools -** Word, Excel, PowerPoint, Teams, Outlook, Visual Studio IDE

# PROFESSIONAL EXPERIENCE

# **Associate Consultant, Oracle Consulting Solution Centre | Bengaluru June 2019 - June 2020**

* As a Technical Consultant under Supply Chain Management, I have demonstrated experience in Oracle Fusion PaaS technologies (such as OIC, VBCS, FBDI, BI Reports), SQL/PLSQL, ORDS, JDeveloper, Selenium using Python, along with the domain knowledge of various ERP modules.
* Worked on creating various custom automations using Python and UiPath.
* Involved in cloud migration project roll-outs, ensuring smooth processing of data from EBS to the Fusion Cloud.
* Contributing to the organization’s ‘Innovation Portal’ by building custom VBCS pages and integration flows using OIC in Oracle PaaS environment.

# PROJECTS

# **DevOps Engineering - Planning to Production** (02 February’24 - 12 April’24)

# During the course I learnt AWS Services (e.g., EC2, S3, LAMBDA, RDS), I secured experience with serverless architecture and microservices. I also gained proficiency in version control tools (e.g., GIT).

# I have mastered all AWS DevOps tools and CI/CD pipelines. I have familiarity with containerization technologies (e.g. Docker, Kubernetes).

# I got hands-on exposure on DevOps. I did hands-on lab on AWS.

# Learnt DevOps flow that is from plan to monitor

# Created an AWS account

# Learnt AWS Basics, Git and Github

**Implementation of Distance Learning in the Rural Village** (31 May’17 - 4 December’18)

* During the Live in Labs course, we visited "Deurbal village" in “Chhattisgarh state” to analyze the challenges faced by the students to get a quality education.
* Long range WiFi to overcome the network issues and solar backup for electricity are the proposed solutions for the implementation of distance learning in the village.

**Student Social Responsibility - A Non-Technical Project** (25 Jun'17 - 24 Apr'18)

* We conducted an awareness campaign over environmental pollution and career objectives in a Government school for the orphan.

# ACADEMIC DETAILS

* **Bachelor of Technology (BTech)- Electronics and Communication Engineering (ECE), Amrita Vishwa Vidyapeetham, Amritapuri, Kollam, Kerala,** Amrita School of Engineering, 2015-2019, CGPA - 7.37/10.00.
* **Higher Secondary Education- Mathematics, Physics, and Chemistry (MPC), Sri Chaitanya Junior Kalasala, Tirupati, Andhra Pradesh,** Board of Intermediate Education, 2013-2015, Percentage - 89.30/100.00.

## Secondary School Education (X), Sri Venkateswara Children High School, Tirupati,

## Andhra Pradesh, Board of Secondary Education, 2012-2013, CGPA - 9.80/10.00.

# SOCIAL PROFILE

* **LinkedIn -** http://www.linkedin.com/in/raj-kumar-koguru-6277512b0

# INTERNSHIP

**Kaizen Robotics Program** (Dec'5 2017 - Dec'10 2017)

* It was conducted by Lema Labs in "Indian Institute of Technology Madras (IITM), Research Park".
* We formed a team of two. I headed my team. We built the robots like simple line follower robot, obstacle avoider robot, table-top robot, analog to digital conversion based robot, pulse width modulated robot, and PC controlled robot using an ATmega16 microcontroller.
* Involved in the high-level design of robots and successfully completed the project.

# PAPER PUBLICATION

**Educational Obstacles in an Impoverished Rural Village of India, and Advanced Technologies to Reinforce Quality Learning,** RSD Pragnavi, K Raj Kumar, Sarath Chandrika K, Maya Menon, Renjith Mohan, L M Frey

* In Live-in-Labs course I was introduced to the unique concepts such as human-centered design, ethnographic research, and sustainable social change models which helped us to write a paper.

# CERTIFICATIONS

* Successfully completed the course on **“DevOps Engineering - Planning to Production”** of duration 10 weeks from February 2024 to April 2024 oraganized by “Geeks For Geeks”.

# LANGUAGES KNOWN

|  |  |  |  |
| --- | --- | --- | --- |
| **Language** | **Read** | **Write** | **Speak** |
| English | Very Good | Excellent | Very Good |
| Hindi | Excellent | Excellent | Very Good |
| Telugu | Excellent | Excellent | Excellent |

**HOBBIES**

* Playing cricket and badminton, Running, Drawing, Gardening, Listening to music

**Job Description**

* Gather and analyze metrics from both operating systems and applications to assist in performance tuning and fault finding.
* Partner with development teams to improve services through rigorous testing and release procedures.
* Participate in system design consulting, platform management.
* Create sustainable systems and services through automation and uplifts.
* Balance feature development speed and reliability with well-defined service level objectives
* Rollout automation in customer environment
* Good in troubleshooting during the Live Node Activities

**Required Qualification:**

* Demonstrable experience in full-stack systems and software development
* Project management and methodologies
* Scrum, Agile and DevOps ways of working (Preferred)
* Experience with public cloud platforms i.e. Azure, AWS, GCP
* Expertise in DevOps pipeline orchestration and automation
* Experience with common software development tools, such as- Source Code Management, Configuration Management, Security and Compliance, Registries and Artifact Repos, OSs and Enterprise Environments, Desired Programming languages, Monitoring Tools.
* A proactive approach to spotting problems, areas for improvement, and performance bottlenecks
* Git (Must have) GitLab (Preferred) Azure DevOps GitHub Ansible (Must have) Puppet/Chef, Cloudflare (Access), SonarQube (SAST) Docker (Preferred) Artifactory, OSs and Enterprise Environments, Ubuntu 20.04/22.04-RHEL 7/8 (Must have) Kubernetes, Python (Must have) Bash Scripting (Must have) json/yaml.!

**You will bring**

Work with the development teams to design scalable, robust systems using cloud native architectural principles.

* Build automation using industry standard tools to deploy hundreds of different services.
* Outstanding collaboration, communication, and innovation skills!
* Develop, manage and maintain automation assets of the Service Delivery Global DevOps Platform
* Develop automation to manage platform infrastructure, applications, and services.
* Continuous improvement of Platform reliability, quality, uptime, and Customer Satisfaction
* Provide primary operational support, lifecycle management, and engineering Platform systems and services.

**What you will do:**

- Analyze customer needs and pre-studies to recommend appropriate DevOps solutions based on predefined strategies.

- Create detailed designs for both scripting and coding.

- Develop an implementation proposal based on design, writing technical specifications.

- Develop and integrate software components and automation using diverse DevOps tools.

- Execute product configuration testing, integration and migration work in a DevOps operative environment.

- Identify and implement improvements, analyzing processes, methods, and tools with respect to development, performance, and quality.

**The skills you bring:**

- Automation using Python.

- Ansible.

- Red Hat Open Stack.

- Cloud Technologies (Kubernetes, Docker, AWS, Container, Microservices, spring boot).

- Shell Scripting.

- Spinnaker.

- Linux.

- CDD.

- CI/CD.

- Terraform.

- Tools for CI/CD (Git, Gerrit, Jenkins, Sonar, Helm).

- Private Cloud (AWS, GCP, Azure).

- BitBucket.

- Red Hat Openshift.

## **About the job**

Key responsibilities:  
  
1. Drive automation efforts to reduce manual work and increase efficiency across all environments  
2. Willing to own infrastructure for multiple products across different tech stacks, continuously learning  
3. Maintain and improve service reliability, availability, and performance through proactive problem detection  
4. Participate in designing and implementing infrastructure, applications, and tools for hybrid cloud computing  
5. Engage in debugging, performance tuning, and capacity planning  
6. Participate in incident management, diagnosis, mitigation, and root cause analysis  
7. Work across multiple tech stacks across product lines, demonstrating adaptability and quick learning  
8. Collaborate with development teams to optimize deployment reliability  
9. Stay updated on industry trends and technologies, implementing learnings as appropriate  
10. Support pre-launch services through system design consulting, capacity planning, and launch reviews

### **Skill(s) required**

Amazon Web Server (AWS) Ansible Cloud Computing DevOps Docker Elastic search Google Cloud Computing Java JavaScript Kubernetes Linux Microsoft Azure MySQL NoSQL Python Shell Scripting

### **Who can apply**

1. Candidates with minimum 2 years of experience.

### **Other requirements**

1. Bachelors degree in Computer Science, Information Technology, Engineering, or a related field

2. An advanced degree is preferred

3. Proven experience of 2–6 years as an SRE or a similar role in a software development setting

4. Expertise in multiple cloud platforms (e.g., AWS, GCP, Azure) and private cloud infrastructures

5. Proficiency in scripting languages (Python, Shell, Ruby, etc.) and popular software development languages (Java, JavaScript, etc.)

6. Understanding of network protocols, database management, and operating system administration

7. Expertise in Linux system administration, cloud infrastructure management, and DevOps practices

8. Familiarity with containers and orchestration services, such as Docker and Kubernetes

9. Expertise in using monitoring and logging tools (CloudWatch, Grafana, ELK Stack, New Relic, and Prometheus) and in logging best practices

10. Hands-on experience administering relational databases (MySQL, PostgreSQL), messaging queues (Kafka), and NoSQL databases (Redis, Elasticsearch)

11. Experience with configuration management tools (Ansible, Salt, Chef, Puppet)

12. Knowledge of security best practices and experience implementing security controls in a production environment

13. Innovative mindset, willing to experiment with cutting-edge technologies for higher ROI

14. Strong troubleshooting and problem-solving skills

15. Excellent interpersonal and communication skills

16. Ability to multitask and prioritize effectively