Prasanna Babu Vijjana
AWS Cloud Engineer

PENDING CERTIFICATION

ABOUT ME

I am Prasanna Babu Vijjana from Razole, Andhra Pradesh. I graduated from RGUKT IIIT Srikakulam with a Bachelor's Degree in Computer Science and Engineering (CSE) and an aggregate CGPA of 8.07. I am an innovative and quick learner with a deep passion for technology and problem-solving. My skill set includes various programming languages and technologies such as Java, Python, SQL, HTML, CSS, REST API, AWS, Docker, Kubernetes, and Jenkins. I thrive in collaborative environments where I can contribute to innovative projects and work alongside talented professionals

In the realm of DevOps and cloud computing, I specialize in Docker and Kubernetes, ensuring seamless application deployment and effective scalability. My proficiency with Jenkins demonstrates my commitment to continuous integration and delivery, essential for today's rapid development cycles.

I am confident in my ability to adapt to new technologies and contribute to the success of any team I join. I am committed to delivering high-quality solutions that meet client needs and exceed expectations. I have a solid understanding of the Software Development Life Cycle (SDLC) and methodologies such as Waterfall and Agile, reflecting my strategic approach to project management.

Some Interesting Facts about me:

- ➤ I am passionate about my work and dedicated to getting it done efficiently.
- ➤ An innovator with a proactive problem-solving approach.
- ➤ Quick learner, adapting quickly to new concepts.
- ➤ An avid traveler with a curiosity for exploring new places and culture.
- ➤ Maintain an active lifestyle by going to the gym.
- ➤ I have a passion for sports and particularly enjoy playing cricket and volleyball.

Education & Certification

Bachelor's Degree - Computer Science and Engineering
🏛 Rajiv Gandi University of Knowledge and Technologies - Apr 2023

GPA : 8.07

Skill Matrix

Web Technologies

- HTML (3)
- CSS (3)

Web Technologies

- HTML
- CSS

Programming Languages

- Java (5)
- Python (4)

Programming Languages

- Java
- Python

Database Management

- MySQL (4)
- SQLite (3)

Database Management

- MySQL
- SQLite

DevOps Technologies

- Git (2)
- Docker (2)
- Kubernetes (2)
- Jenkins (2)
- Terraform (2)

Monitoring Tools

- Prometheus (2)
- Grafana (2)
- Loki (2)

Cloud Technologies

- AWS Global Infrastructure ...
- AWS Compute Services (2)
- AWS Storage Services (2)
- AWS Networking Services ...
- AWS Database Services (2)

DevOps Technologies

- Git
- Docker
- Kubernetes
- Jenkins
- Terraform

Monitoring Tools

- Prometheus
- Grafana
- Loki

Cloud Technologies

- AWS Global Infrastructure
- AWS Compute Services
- AWS Storage Services
- AWS Networking Services
- AWS Database Services

Shell Scripting

- 🟠 Bash Shell Scripting (2)
- 🟢 Linux Commands (2)

Shell Scripting

- Bash Shell Scripting
- Linux Commands

RevHire

Application Overview

The RevHire is a web-based application that acts as a job portal focused on connecting job seekers and employers. This application enables the registered employers to post their job requirements and also let the registered job seekers find suitable jobs for their profile.

Job seekers can create profiles, textual and formatted resumes, and apply for jobs. Employers can manage jobs, view applicant details, and shortlist/reject applications.

Core Functional Requirements

As a Job Seeker, I should be able to:

1. Register myself and create an account.
2. Login to my account.
3. Search for jobs using filters like job role, location, experience in years, and company name.
4. Apply for interesting jobs (No Limit).
5. View Applications and their status.

As an Employer, I should be able to:

1. Create a profile and register my company.
2. Login using the registered account.
3. List and manage job postings.
4. View the details of applicants for each job posting.
5. Shortlist or reject the application for the selected job posting.

Roles / Responsibilities

- Created three tables and performed CRUD operations.
- Allow job seekers and employers to sign up and create a personal account on the platform.
- Provide a secure login mechanism for job seekers and employers using JWT.
- facilitates the relationship between the job seeker with application table and employer with job posting table.
- Provide a user-friendly interface with secure authentication.

Environment / Technologies

Python, Docker, Prometheus, Grafana, Kubernetes, Git, Jenkins

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Deploying RevHire - A Microservices-based Application on AWS

The microservices comprising RevHire (User service and Job Service) should be deployed on AWS using following services:

- Backend is deployed on Amazon Elastic Kubernetes Service (EKS) for container orchestration and management.

- The front-end will be served through AWS CloudFront, a content delivery network (CDN) service, to provide low-latency and high-performance delivery to end-users. The application is hosted in S3 and is servered using OAC through cloudfront.

Roles / Responsibilities

- Set up EKS cluster for User Service and Job Service.
- Containerize microservice application and deploy to EKS.
- Integrate the backend microservice application with frontend on EKS for seamless communication.
- Host frontend in S3 bucket and through CloudFront

Environment / Technologies

AWS ELB, AWS EKS, AWS CloudFront, AWS S3, AWS EC2, AWS RDS

Revhire-MSA-Deployment-P2-AWS

- resources are provisioned using terraform scripts.

- an aws code pipeline with github as source and code build/jenkins server for build is used to deploy the applications in eks and s3.

The microservices comprising RevHire (User service and Job Service) should be deployed on AWS using following services:

- Backend is deployed on Amazon Elastic Kubernetes Service (EKS) for container orchestration and management, a public private vpc for the cluster and RDS for database.

- The front-end will be served through AWS CloudFront, a content delivery network (CDN) service, to provide low-latency and high-performance delivery to end-users. The application is hosted in S3 and is servered using OAC through cloudfront.

Roles / Responsibilities

- Write Terraform scripts for resource provisioning.
- Set up AWS CodePipeline with GitHub as the source.
- Use CodeBuild/Jenkins for build automation.
- Deploy backend microservices (User service and Job Service) on Amazon EKS.
- Configure public-private VPC for the EKS cluster.
- Set up Amazon RDS for database using Terraform
- Serve frontend through AWS CloudFront.
- Host frontend in AWS S3 using Terraform.
- Configure Origin Access Identity (OAI) for CloudFront
- Ensure low-latency and high-performance delivery of frontend.

Environment / Technologies

AWS EKS, AWS S3, Terraform, AWS EC2, Jenkins, AWS CodePipeline, AWS CloudFront, Git

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Honors & Awards

ASF VolleyBall Winner

Mandal Level Volleyball Winner

Received From : Adabala Sprots Foundation
Received On : 28 Mar 2015

Got Selected For IIIT

It is a 6-year integrated course to which I was admitted after completing my 10th standard.

Received From : RGUKT
Received On : 13 Jun 2017

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