RAMESH KANNA G

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EXECUTIVE SUMMARY

I'm a BSc graduate with a strong passion for DevOps, ready to bring my skills in automation, infrastructure as code, and continuous integration to boost software delivery and build a collaborative, innovative development environment.

TOOLS AND TECHNOLOGIES

- AWS
- TERRAFORM
- LINUX
- JENKINS
- BASH / SHELL
- DOCKER
- GITHUB
- NGINX
- TOMCAT

TECHNICAL OUTLINE

- **OPERATING SYSTEM:** LINUX Terminal, File System, Root, User, Permission, Package Manager.
- **VERSION CONTROL:** GIT: Tools for version control, enabling collaborative software development and tracking changes in source code.
- **CLOUD:** AWS: Involved in designing and deploying a multiple of application utilizing various AWS stack components (Including EC2, IAM, S3, VPC, LAMBDA, EVENTBRIDGE, CLOUDWATCH, SNS) with focus on High- availability, fault tolerance and auto scaling. configuration of Network architecture on (AWS with VPC, SUBNET, INTERNET GATEWAY, NAT, ROUTE TABLE)
- **DevOps & CI/CD:** Automation server for building, testing, and deploying code using JENKINS, developing, shipping, and running applications in containers using DOCKER.
- **NGINX:** High-performance web server and reverse proxy, used for load balancing, SSL termination, and serving static content.
- **TOMCAT:** Java Servlet container for running Java-based web applications, managing servlets, JSPs, and supporting WAR file deployment.
- **SCRIPTING:** SHELL/BASH Linux command-line scripting for automation.

FREELANCE PROJECTS

PERSONAL PORTFOLIO | Github | Portfolio   • Active Since August 2024

Technologies Used: HTML, CSS, JAVA SCRIPT, BASH SCRIPT, YAML, AWS, GITHUB, JENKINS, APACHE2, DOCKER, KUBERNETES, WEBHOOK.

- Developed a responsive portfolio using HTML, CSS, and JavaScript to showcase skills and projects.
- Deployed the portfolio on AWS, ensuring high availability and scalability.
- Utilized Github for version control to manage code changes effectively.
- Implemented Jenkins for continuous integration and automated deployment processes.
- Containerized the application with Docker, allowing for consistent execution across different environments.
- Managed Kubernetes deployments using Minikube and kubectl, ensuring efficient orchestration of containerized applications.
- Streamlined the deployment process by automating updates through GitHub webhooks, enhancing efficiency and reducing manual intervention.

FREELANCE PROJECT: DYNAMIC WEB APP DEPLOYMENT | Github   • July to August 2024

Client: **Poojitha K U** | Company: **CyRACCS** | Location: **Bangalore**

Technologies Used: HTML, CSS, JAVA SCRIPT, JAVA SERVLETS, MAVEN, AWS, GIT, DOCKER, JENKINS, TOMCAT, WEBHOOK.

- Developed a dynamic web page featuring two interactive buttons to display messages from the backend.
- Implemented backend services using Java Servlets to process requests and return messages in JSON format.
- Utilized Maven to package the project into a .war file for deployment on a TomCat server.
- Deployed the application with Docker on AWS, ensuring consistent performance across various environments.
- Automated deployment processes through GitHub webhooks, enhancing efficiency in updates and deployments.

ACADEMIC CREDENTIAL

Bachelor of Science in **Visual Communication** | Annai College of Arts & Science, Kumbakonam, Tamil Nadu • **2022** • GPA: **7.79**