VENU PYNENI

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PROFESSIONAL SUMMARY

DEVOPS ENGINEER WITH 2.1+ YEARS OF EXPERIENCE IN AUTOMATING, DEPLOYING, AND MANAGING APPLICATIONS ON CLOUD AND ON-PREMISES INFRASTRUCTURE. EXPERTISE IN AWS CLOUD (SOLUTIONS ARCHITECT TRACK), DOCKER CONTAINERIZATION, AND CI/CD PIPELINE IMPLEMENTATION. PROVEN TRACK RECORD IN DEPLOYING HIGH-AVAILABILITY WEB APPLICATIONS, MANAGING CLOUD INFRASTRUCTURE, AND OPTIMIZING DEPLOYMENT PROCESSES FOR SCALABILITY AND SECURITY. STRONG PROBLEM-SOLVING ABILITIES WITH A FOCUS ON AUTOMATION, COST OPTIMIZATION, AND SECURE DEPLOYMENTS.

TECHNICAL SKILLS

Cloud Platforms	AWS (EC2, S3, IAM, VPC, Lambda, CloudFront, Route 53, ACM, Systems Manager, Secrets Manager, Security Hub, CodePipeline, CodeBuild, CodeDeploy, CloudWatch, SNS, SQS, ELB, Auto Scaling)
Containerization	Docker, Docker Compose, Kubernetes, AWS ECS, AWS ECR
CI/CD	Jenkins, AWS CodePipeline, GitHub Actions, GitLab CI
Version Control	Git, GitHub, GitLab
IaC & Config Mgmt	Terraform, Ansible
Databases	AWS RDS, DynamoDB, ElastiCache, Redis
Monitoring & Logging	AWS CloudWatch, Prometheus, Grafana, Fluentd, ELK Stack (Kibana)
Security & Quality	SonarQube, Trivy, Aqua Security, AWS Security Hub
Programming	Python
Methodologies	Agile, Scrum, DevOps Best Practices, Jira

PROFESSIONAL EXPERIENCE

DEVOPS ENGINEER

VLACK SOLUTIONS | HYDERABAD, INDIA | *JANUARY 2024 – PRESENT*

PROJECT: *ALGO TRADING PLATFORM* (CLIENTS: INDIABULLS, BIGUL, TORUS, ARIHANT, INDIRA)

A REAL-TIME ALGORITHMIC TRADING PLATFORM , ENABLING USERS TO SELECT AND CONFIGURE TRADING STRATEGIES BASED ON CUSTOM ALGORITHMS. THE PLATFORM AUTOMATES TRADE EXECUTION THROUGH STRATEGY LEGS, PROVIDING SEAMLESS INTEGRATION WITH STOCK EXCHANGES FOR LIVE MARKET OPERATIONS.

- Architected and automated deployment of Algo Trading services on AWS Cloud for multiple high-profile financial clients, ensuring regulatory compliance and security

- Designed and implemented Dockerized containers for trading microservices, enabling fast, consistent, and isolated deployments across environments
- Configured end-to-end CI/CD pipelines using AWS CodePipeline, achieving reliable builds and zero-downtime production releases
- Implemented serverless architectures using AWS Lambda for event-driven processing and cost-efficient compute solutions
- Configured CloudFront CDN distributions with ACM SSL certificates for secure, low-latency content delivery globally
- Managed infrastructure using AWS Systems Manager for patch management, automation, and secure remote access
- Implemented security best practices using AWS Security Hub, Secrets Manager, Trivy, and Aqua Security for container vulnerability scanning
- Provisioned and managed infrastructure as code using Terraform, ensuring consistent and repeatable deployments across environments
- Automated configuration management using Ansible for server provisioning, application deployment, and compliance enforcement
- Deployed microservices for real-time order execution, market data processing, and strategy automation, significantly reducing manual trading overhead
- Implemented centralized logging using Fluentd and Kibana (ELK Stack) for log aggregation, analysis, and troubleshooting
- Integrated SonarQube into CI/CD pipelines for code quality analysis and maintaining coding standards
- Optimized AWS infrastructure for scalability using Auto Scaling, ELB, and achieved 30% cost reduction through resource optimization
- Implemented comprehensive monitoring and alerting using AWS CloudWatch, SNS, and Grafana, reducing incident response time by 40%
- Collaborated with cross-functional teams to deploy new trading strategies with zero downtime using blue-green deployment strategies

Project: *Caterweath* (In Development)

An e-commerce platform for a protein supplements laboratory, enabling online and offline sales of protein powders and health supplements. The platform provides seamless product catalog management, order processing, and inventory tracking for B2C operations.

- Architecting cloud infrastructure on AWS using EC2 instances for scalable compute and CloudFront CDN for global content delivery
- Implementing CI/CD pipelines using GitHub Actions for automated testing and deployment workflows
- Containerizing application services using Docker and deploying on AWS ECS with ECR for image management
- Setting up infrastructure as code using Terraform for reproducible and version-controlled deployments
- Configuring monitoring and observability using CloudWatch, Fluentd, and Grafana dashboards

EDUCATION

BACHELOR OF TECHNOLOGY – CIVIL ENGINEERING

VEL TECH RANGARAJAN DR. SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY, CHENNAI

ADDITIONAL INFORMATION

Languages	English (Fluent), Telugu (Native)
Current Location	Hyderabad, India
Preferred Locations	Bengaluru, Hyderabad, Pune, Remote
Notice Period	45 Days