**SARANKUMAR SEKAR**

**AWS | Cloud Support and DevOps Engineer**

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**SUMMARY**

* AWS Cloud Platform Support & DevOps Engineer with 4+ years of industrial experience in the analysis, design, testing, and maintenance of software systems, managing and leading the team in continuously delivering and improving multi-million dollar API platform built around Java micro-services.
* Effective team member in producing effective solutions to meet customer needs.
* Strong knowledge in **AWS Terraform** to provision the AWS resources which include ECS, EC2, Custom Resources, CloudWatch components which includes CW alarm, log group, Events, etc
* Expertise and strong knowledge in ECS Container Orchestration service.
* Enhance and optimize the ECS platform by automate the AWS region failover (r53), blue/green deployment and ASG configure for stability and availability.
* Working relentlessly to align IT strategy with the company's objectives, reducing costs, improving architecture, reporting to stakeholders and management, training and guiding employees regarding information technology issues.
* I work towards fostering collaboration between Applications, Infrastructure, and Business to develop a technology strategy for growth.
* Expertise in creating multiple Splunk Dashboard and Data Dog Time board & screen board dashboard for monitoring and to find the success/failure rate for real time transactions, server health monitor with notification. Configure alert & notification to identify Cloud Compute Platform Health Metrics.
* Conduct DRB meeting with stakeholders to check the functionality change to implement, dependency with production deployment, any backward compatibility with other application services, to check clients consuming the components and downstream services.
* Strong project management and leadership skills to resolve conflicts, escalations and motivate the team to strive excellent delivery not limited to process compliance, project audits and operational clarity.

**TOOLS/TECHNOLOGIES**

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| --- | --- |
| Operating System | * Linux (Red Hat and Ubuntu), Amazon Linux AMI
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| Cloud Computing | * Amazon Web Services [ EC2, S3,VPC, Cloud Watch, ECS, SNS, ECS, Route53, IAM]
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| Containerized Env | * Docker
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| DevOps/CICD | * Jenkins, Terraform, Artifactory, Github
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| Agile Life cycle Tools | * JIRA, Version One
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| Versioning Control | * Github
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| Unit testing framework | * Apache JMeter, Cucumber Setup for Server Performance test
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| Monitoring Tools & Notification | * Splunk, Data Dog, Pager Duty, Slack, SNS
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**PROFESSIONAL CERTIFICATIONS**

* MERN – Professional Full Stack Developer from **StackRoute**, Bangalore by **Wipro Digital Academy**.



**EDUCATION**

**BACHELOR OF TECHNOLOGY |** JULY 2012 - MAY 2016
*KS Rangasamy College of Technology, Anna University, India*

Major: Information Technology PERCENTAGE: 80%

**EXPERIENCE**

**Client: Capital One (CARDS)**

**Title: Card Core APIs**

**Role: Cloud Support & DevOps Engineer**

Company: Wipro Technologies

Location – Chennai

April 2020- Current Date

**Responsibilities:**

* Subject Matter Expert in Critical Enterprise API’s Middleware Infrastructure having end to end knowledge
* Constructed required infrastructure on AWS cloud and deployed applications as part of YBYO [You Build; You Own] initiative.
* Optimized and provisioned the LCUs for ALB based on the application load.
* Created SNS alerts at various stage of the pipeline and monitored using CloudWatch.
* Route53 record set automatic traffic flip using boto3.
* Improving existing pipelines to create AWS ECS clusters and facilitate canary deployments.
* Build Performance testing/Unit Testing suites using Junit/Cucumber/JMeter.
* Plan High Stake release with live traffic using Blue Green Deployment/Canary Deployment Techniques for 1000+ of java Restful APIs and SOAP.
* Capacity analysis – proactive infrastructure scales up and down for peak season traffic.
* Blue/Green and Canary deployment for the Weekly/Monthly release.
* Performance Analysis for peak session monitor and ASG configure for ECS.
* Creating Multiple Dashboard and alert setup on Splunk and Data Dog to view various success/failure transactions, rate, and other statistics in real time.

**Technologies/Tools:** AWS Elastic Container (ECS) service, AWS Application Load Balancer, AWS Elastic Compute (EC2) services, Jenkins, Jira, Route53, CloudWatch, Splunk, GitHub, Jira, Cucumber, JMeter, Route53, CloudWatch, PagerDuty, Splunk, Docker

**Client: Capital One (the Cloud Father / McCloud)**

**Title: Card Core APIs**

**Role: Cloud Support & DevOps Engineer**

Company: Wipro Technologies

Location – Chennai

June 2019 – March 2020

**Responsibilities:**

* Hands on ECS Cluster and standalone ELB-ECS stacks creation there by aiding application teams to build and deploy their apps.
* Configured task and EC2 level autoscaling for the cluster and provided resolution to reduce Autoscaling timing
* Taking Lead and completed the automated AWS SNS Topics creation and update to the Core Critical services.
* AWS automate R53 Record set for traffic flip from one region to another region.
* Infrastructure development involving 300+ Linux Server,120+ Network Clusters with WebLogic and Tomcat application Servers deployed on physical Datacenter
* Creating Multiple Dashboard and alert setup on Splunk, Data Dog and ELK to view various success/failure transactions, rate, and other statistics in real time.
* Capacity analysis - proactive infrastructure scale up by onboarding servers, clusters, and services to meet future requirement or decommissioning/reuse the same for other application there by saving cost.
* Playing key role in Design Review Board to assess flaws, backward compatibility and to make sure no impact to existing Infrastructure due to a new component or new version during the initial stages of deployment.
* Have fixed the vulnerabilities by analyzing and updating the respective dependencies with help of Eratocode dashboard.
* As a volunteer, done additional BAU activities like Release planning, deployment support, error troubleshooting at the time of production failures, etc.,

**Technologies/Tools:** AWS Elastic Container Services, AWS lambda, AWS Application Load Balancer, AWS Elastic Compute (EC2) services, Docker, Jenkins, Eratocode, Git, Jira, Cucumber, JMeter, Hercules, Route53, CloudWatch, PagerDuty, Splunk, Docker.

**Client: BestBuy**

**Title: BBYD – BestBuy Direct**

**Role: Core Java and Front-end Developer**

Company: Wipro Technologies

Location – Chennai, India

July 2017 – May 2019

**Responsibilities:**

* As a Developer, I was responsible for Base Line team to resolve the production issues raised from the support team.
* Best Buy is a retail store where they sell electronic goods to customers through online and stores as well. Both B2B and B2C is followed in online stores.
* BestBuy Direct is a B2B site where we enhance the application through commergent framework. This framework comprises of java, xmls, xsl, jsp, html and css.
* I have done a small POC for BBYD login page using CSS3, HTML5 and Bootstrap.
* Also worked as a part of Security and Compliance team part of BBYD to resolve EIP issues
* Effectively fixed production defects and did Unit testing for each line items.
* Have closed more than 20+ baseline tickets by effectively fixing the bugs and got appreciation from the Client as well as winner circle points from Wipro.

**Technologies/Tools:** Core JAVA, HTML5, CSS3 and Bootstrap.

**Title: MERN – Full Stack Developer Immersive Training**

**Role: Front-end Developer**

Company: Wipro Technologies

Location – Bangalore, India

June 2016 – March 2017

**Responsibilities:**

* Have done MERN-full stack developer certification by developing the message conversation application like Slack with advanced option called AI slack bot with MERN technologies .
* As a developer, developed components which contains the body where we can type and send messages by using ReactJS.
* As a team, we completed the application and gave demo to the customers with proper explanation and also got an appreciation.

**Technologies/Tools:** Core JAVA, HTML5, CSS3, JavaScript, ReactJS and Bootstrap.