

DEVARAJU GANTAKORA

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Summary

Highly skilled and motivated DevOps Engineer with 3 years of hands-on experience in designing, implementing, supporting, automating, and optimizing mission-critical deployments within AWS, Azure, CI/CD, and DevOps environments. Proficient in establishing and maintaining efficient CI/CD pipelines, as well as automating processes to streamline workflows and maximize productivity. Currently pursuing an M.S. in Computer Science to further enhance technical proficiency and stay in touch with the latest industry trends and technologies.

Key Skill Set

Languages	C/C++, Java, HTML
Operating System	Linux, Windows, UNIX
Container Platforms	Dockers, Kubernetes, OpenShift
DevOps Tools	Chef, Terraform and Ansible
Build Tools	Maven, MS Build, Gradle
CI Tools	Jenkins, AWS Code Pipeline, Azure DevOps
Version Control Tools	Subversion, GIT (GitLab, GitHub), Bitbucket
Monitoring Tool	Datadog, Nagios, ELK and Splunk
Cloud Environment	Amazon Web Services (VPC, EC2, S3, ELB, Auto scaling Groups, Glacier, EBS, Cloud Front, RDS, Redshift, Route 53, Cloud Watch, Cloud Trail, IAM, Dynamo DB, SNS, SQS, Lambda, API Gateway, AWS Control Tower, Transit Gateway, AWS Marketplace.), Azure (VM's, VNET, Azure Storage, App Services, Logic apps, Bastion host, VPN gateways, Azure SQL).
Infrastructure Automation	Terraform, Cloud Formation templates.
Scripting Languages	Python, YAML, Shell Scripting, Java Script, PowerShell, Groovy
Web / Application Servers	Apache Tomcat, IBM WebSphere, Oracle WebLogic, Nginx
SDLC	Agile/ Scrum Methodologies, Waterfall
Databases	MySQL, SQL Server
Logging	Azure Monitor, Azure App Insights, Cloud Watch, Cloud Trail

Education

KENT STATE UNIVERSITY, KENT, OHIO - Master of Science, Computer Science (Aug 2022 – Dec 2023) GPA: 3.95/4
K L University, India - Bachelor of Technology, Computer Science and Engineering (July 2016 – May 2020) GPA: 9.3/10

Professional Summary:

- Proficiently skilled in leveraging a wide spectrum of AWS services, including but not limited to VPC, EC2, S3, ELB, Auto Scaling Groups, Glacier, EBS, CloudFront, RDS, Redshift, Route 53, CloudWatch, CloudTrail, IAM, DynamoDB, SNS, SQS, Lambda, API Gateway, Control Tower, Transit Gateway, and AWS Marketplace.
- Proficient in working with various Azure services, including Virtual Machines (VMs), Virtual Networks (VNET), Azure Storage, Azure App Services, Logic Apps, Bastion Host, VPN Gateways, and Azure SQL.
- Proficient in deploying applications on Application servers like JBoss, WebLogic, WebSphere, and Tomcat for seamless execution.
- Proficient in leveraging serverless architecture to build efficient backend applications in AWS, enabling seamless scaling. Additionally, skilled in hosting static websites on AWS S3 and configuring CloudFront distributions for optimal content delivery.
- Experienced in providing comprehensive support to application teams spanning remote and local locations, with a specialized focus on crafting intricate IAM policies and Service Control Policies (SCPs) for delegated administration within the AWS environment.
- Experienced in writing Terraform and Ansible scripts for Infrastructure and Configuration Management to ensure scalability and consistency.

Work Experience

Kent State University (Teaching Assistant – Cloud Security Infrastructure)

Aug 2022-May 2023

- Supported the delivery of a specialized course in Cloud Security Infrastructure, aiding the professor in lesson preparation, content organization, and classroom management.
- Facilitated interactive discussions and engaged with students to address questions, clarify complex concepts, and ensure comprehensive understanding of cloud security principles.
- Assisted in designing and evaluating assignments, projects, and assessments that tested students' grasp of cloud security concepts and their practical application.
- Collaborated with the professor to develop lab exercises and simulations that offered hands-on experience in securing cloud environments.

- Architected and executed a secure and isolated cloud solution to create an ecosystem for dev/test environments.
- Utilized the combination of Terraform, ARM templates, PowerShell Scripts & Azure DevOps pipelines to deploy various applications into Azure VMs, AWS VMs, and App services.
- Enabled scaling out an application that reduced 35% of job run time for every machine added to the pool.
- Implemented cost effective architectures involving Logic apps & ARM templates which saved 30% of operational costs.
- Spearheaded the migration of multiple Jenkins pipelines to Azure DevOps. Received appreciation from client & from my organization for the smart and hard work that's done single-handedly.

- Orchestrated infrastructure creation seamlessly through Terraform scripts, optimizing deployment processes.
- Implemented robust and highly available AWS Cloud Infrastructure, incorporating EC2, IAM, VPC, ELB, Route53, S3, Glacier, CloudWatch, CloudTrail, RDS, SNS, and Auto Scaling Group to support diverse applications.
- Collaborated with cross-functional design teams to architect software solutions, enhancing client-side experiences and overall system performance.
- Monitored automated build and continuous software integration process to drive build/release failure resolution.
- Conducted thorough research on emerging software applications, facilitating effective selection, implementation, and utilization of administrative information systems.
- Realized substantial cost savings of \$3000 by successfully executing cost-efficient initiatives targeting persistent challenges.
- Skillfully managed cloud deployment expenses, aligning them with business needs while ensuring optimal cost-efficiency.
- Engineered CI/CD pipelines enabling seamless deployment across Test and Prod environments through Jenkins. Simultaneously, converted freestyle jobs into Jenkins pipeline code utilizing a shared library, harmonizing and enhancing overall functionality.
- Implemented stringent security measures, restricting access to specific protocols through Network Security Groups.

- Spearheaded the entire lifecycle of the build system, encompassing analysis, development, implementation, and robust support of builds, unit testing, and deployments.
- Proficiently utilized MAVEN build tools to generate deployable artifacts (jar, war, and ear) from source code, showcasing extensive experience in the build process.
- Achieved seamless zero-touch deployments by expertly automating the release pipeline using Jenkins and GitHub.
- Successfully orchestrated CI/CD for 50 Java Microservices through the implementation of a streamlined Super Job.
- Contributed to the automation of build creation on master-slave containers using Jenkins files.
- Enhanced communication and notifications by customizing Jenkins Email Extension, creating templates for comprehensive email notifications.

- Employed a range of advanced statistical techniques to collect and analyze web-based data.
- Ensured data integrity by performing thorough data cleansing and creating robust backup processes during data extraction, manipulation, and processing.
- Utilized predictive modeling to forecast outcomes for the Indian General Election of 2019.

Projects

Cloud-based React JS Web Application Deployment and Azure Integration

Developed and deployed a dynamic React JS web app on Azure, integrating secure AAD authentication and efficient deployment strategies. Established an Azure App Service, leveraging Node.js runtime, to host and deploy the React JS application seamlessly.

Research and Publications

- “Two research papers in Springer on [Lexicon Analysis & Identifying Classification Technique](#).
- “Research paper in IJITEE on [Improved Method for Computerized Leave Supervision](#).

Honors and Certifications

- Certified Kubernetes Administrator (CKA).
- Introduction to Python for Data Science (Udemy).
- ServiceNow certified Application Developer and System Administrator.

Leadership

- Collaborated within the Tech-COE team to facilitate exploration of cutting-edge DevOps trends, conducting engaging sessions and workshops for diverse tech professionals across various domains.
- **An instructor for Udemy**, designing and teaching mock courses centered around R Language including both fundamental concepts and practical applications in Data Science.