CHU-MIN HUANG

AWS AZURE DevOps Engineer

Phone: (469) 424-1365 Email: chuhuang02@gmail.com

**Sr. AWS DevOps Engineer/ Aws engineer**

**Location:** [Plano, TX, 75093](https://www.postjobfree.com/l/Plano%2C-TX%2C-75093/resumes)

**Salary:** $100

Certified AWS and AZURE DevOps and Cloud Engineer.

Professional Summary

Possess 8+ years of experience in AWS and AZURE services, including EC2/VM, Load Balancing, Auto Scaling, S3/Blob Storage, Glacier, Networking with VPC, Route53/DNS, CloudFront/CDN CloudWatch / Monitor and IAM and AAD.

Implemented DevOps methodologies, such as Continuous Integration (CI) and Continuous Deployment/Delivery (CD), leveraging popular CI tools like Git, Jenkins, Ansible, Docker, Kubernetes and Terraform as well as CloudFormation and Azure Resource Manager.

•Academically proficient with a Master of Science (Major - Computer Science) from Florida State University, Tallahassee, FL backed by a Bachelor of Science (Major - Applied Informatic) from Tamkang University, Taiwan (R.O.C), New Taipei City.

• Site Reliability Engineering (SRE) experience improving Mean Time to Recovery (MTTR) and Mean Time Between Failure (MTBF) while complying with Recovery Point Objectives (RPO) and Recovery Time Objectives (RTO)

•Databases including Postgres, MySQL, SQL server, Oracle, DynamoDB and MongoDB

•Security including IAM, Azure Active Directory, Certificate Manager, CloudTrail, Splunk, Nagios, Risk Management and Incident response.

•In-depth knowledge of building AWS infrastructures using IAM, API Gateway, CloudTrail, Cloud Watch, Amazon Simple Queue Service (Amazon SQS), AWS Kinesis, Serverless, Lambda, NACL, Elastic Beanstalk, Redshift, and CloudFormation.

•Adept at working with configuration management tools such as Puppet Chef and Ansible.

•Proficient in designing and deploying applications utilizing Cloud development tools with a focus on high availability, fault tolerance, and Scalability and Elasticity

•Proven experience in QA Agile testing with extensive knowledge of Agile software testing, including Unit, functional, Integration, performance and Security.

•Possess deployment and management experience in AWS CodePipeline and Azure DevOps

•Use the GIT tool to handle configuration, Branching, Merging and source code repository management.

•Skilled in leadership and ability to work well with all people, mentoring developers, and working with project managers, stakeholders, and cross-functional team members.

Implement Serverless Application Repository using AWS Lambda and Azure functions to deploy applications.

Proficient in configuring and deploying application servers such as WebLogic, Nginx, and Apache Tomcat. Proficient in scripting with Bash, Groovy, and Python programming languages.

Possess an excellent understanding of SDLC methodologies such as Agile, Scrum, and Waterfall.

Technical Skills

Cloud

AWS, Azure, VMware, Hyper-V

DevOps & Container

CI/CD, Jenkins, Terraform, Docker, Ansible, Kubernetes, Git, Code Pipeline

Data Extraction & Manipulation

SQL, NoSQL, ELK, AWS (Redshift, Kinesis, EMR, EC2, Lambda)

Languages

Python, JavaScript, SQL, Bash, PowerShell, JSON,YAML, XML

Operating Systems

Linux, Windows, Mac OS

Professional Experience

Delta Electronics INC., Plano, TX (since May 2021 – present)

Sr. AWS and Azure DevOps Engineer

(Delta is a manufacturer of electronic components. Its products include LED lighting, automotive electronics, telecom power systems, healthcare devices, high-power motor drives, and more. The company offers solutions for industrial and building automation, data centers, telecom, renewable energy, and other sectors.)

•Designing, deploying, and maintaining the company's AWS cloud infrastructure and services, including EC2 instances, S3 buckets, and RDS databases.

•Developing and managing automated deployment pipelines using tools such as Jenkins & AWS Code Pipeline and Azure DevOps

•Deployed Cloud resources using AWS Cloud Formation, Azure resource manager and terraform.

•Monitoring system performance and responding to alerts, using tools such as CloudWatch, Azure Monitor, Datadog, New Relic. Prometheus and Grafana

•Developing and implementing disaster recovery and business continuity plans as part of Site reliability Engineering(SRE) to ensure the availability of critical systems and data in the event of an outage or other disruption.

•Implementing security best practices to ensure that the company's cloud infrastructure and data are protected from unauthorized access or data breaches.

•Implemented DevOps practices using Azure, AWS, Elastic Beanstalk, Docker with Kubernetes.

•Integrated SonarQube with Jenkins for continuous code quality inspection. Implemented functional tests using Java, Junit framework, and Cucumber framework.

•Migrated to Jira from various other toolsets such as Service Now, including test cases and test runs.

•Collaborated on problem resolution, team decisions, and project planning.

•Supported multiple projects, including set up and management of users, project roles, time tracking, security, and plug-ins.

•In-depth knowledge of Agile/Scrum and Waterfall methodologies, Use Cases, and Software Development Life Cycle (SDLC) processes.

•Created advanced workflows, conditions, and scripted fields, and extended Jira's functionalities by Groovy scripting through plugins like Script Runner.

•Made recommendations to end users and leaders about best practices and standardization and implementing and leveraging processes within the Jira platform.

•Integrated automated build with deployment pipeline. installed Ansible Server and clients to pick up the build from Jenkins’ repository and deployed it in target environments (Integration, QA, and Production).

•Assisted in the assessment of existing production systems and configuration services for upgrading.

•Provided technical expertise for analysis and assessment of current security and database configuration services.

Gilster Mary Lee, Chester, IL (Jun 2019 – May 2021)

Sr. Cloud Engineer

(Gilster Mary Lee is a leading private-label cereal manufacturer in the US. It makes more than 8,000 products in more than 500 private labels, including breakfast cereal, cake, baking mixes, cocoa and other drink mixes, dinner mixes, pasta, coatings, and more.)

•Designing and implementing cloud-based solutions for the company's manufacturing and supply chain operations, including inventory management, logistics, and distribution.

•Built Jenkins’ jobs to create AWS infrastructure from GitHub repos containing Terraform code.

•Administered/engineered Jenkins for managing weekly builds.

•Ensuring the security of the company's cloud-based systems and data, including implementing best practices for data encryption, access control, and network security.

•Set up dev, test, UAT, and prod environments in Octopus Deploy using the Blue/Green deployment strategy.

•Built and created containers using Docker images and deployed the applications.

•Wrote Ansible Playbooks for installations of various tools and frameworks on on-prem and cloud machines.

•Developing and maintaining disaster recovery and business continuity plans to ensure the availability of critical systems and data in the event of an outage or other disruption.

•Designed, developed, and deployed applications utilizing most of the AWS stack, including EC2, Route53, S3, RDS, and IAM while focusing on high availability, fault tolerance, and auto-scaling in AWS CloudFormation.

•Worked on AWS ELB and configured the auto-scaling per the application user traffic and managed the multi-tier and multi-region architecture using AWS CloudFormation.

•Analysing cloud usage data to optimize performance and reduce costs, including identifying opportunities to migrate workloads to more cost-effective cloud platforms or services.

•Maintained high-availability clustered and standalone server environments and refined automation components with scripting and configuration management (Ansible) and wrote Ansible scripts.

•Converted existing Jenkins jobs into the new pipeline process.

•Integrating cloud-based systems with on-premises infrastructure and third-party applications to support business processes such as accounting, customer relationship management, and marketing.

•Drove DevOps adoption across the enterprise, which included knowledge sharing, demoing tools, and promotion of DevOps culture.

•Administered Git repositories and assisted developers in managing version control branches/tags.

•Worked with developer teams to set up CI/CD pipelines using Jenkins and Octopus Deploy.

•Developed OpenShift/Kubernetes templates for various applications like Jenkins, Kafka, Cassandra, and Grafana.

•Managing cloud-based storage and backup systems to ensure the availability and integrity of the company's data.

Booz Allen Hamilton Inc., McLean Virginia (Jan 2017 – Jun 2019)

Sr. AWS Build & Release Engineer

(Booz Allen Hamilton Inc. provides technology and management consulting services. The Company offers consulting, analytics, digital, engineering, and cyber solutions. Booz Allen Hamilton serves customers worldwide.)

•Set up and configured IIS and application pools and deployed [ASP.NET](http://asp.net/) web application to AWS.

•Managed source code repository, build and release configurations/processes, and tools to support daily development, testing, and production builds and software deployment operations.

•Managed and analyzed scalable data using AWS RDS.

•Designed and implemented fully automated server build management, monitoring, and deployment using Chef and installed Tomcat instances, and managed multiple application configurations by creating Puppet manifest files.

•Created the automated build and deployment process for the application, leading up to building a continuous integration and continuous deployment system.

•Created and developed REST-based web services returning JSON-type of responses.

•Developed test environment that reduced integration issues and improved code quality. JUnit testing and deployments using multiple Jenkins plugins.

•Developed builds using ANT and Maven as build tools and used CI tools to move builds from one environment to another environment.

•Modified the SCM database for software lifecycle process flow, user permissions, access, and file attributes in response to user requests.

•Configured cloud trail to monitor API activity of users.

•Implemented pipelines in Jenkins. Added multiple nodes to Jenkins and configured SSH for continuous deployments.

•Performed various development activities for DevOps practices, including continuous integration, continuous delivery, continuous testing, and continuous monitoring.

•Worked with development teams providing deployment services from initial development through production deployments.

•Worked with the Release Manager to improve build automation and reduce bottlenecks in the delivery pipeline.

•Redefined processes and implemented tools for software builds, patch creation, release tracking, and reporting.

XCEL Energy, Minneapolis, MN, US (Jan 2015 – Dec 2016)

System Administrator

(XCEL Energy is a company engaged in the generation, purchase, transmission, distribution, and sale of electricity.)

•Installed and configured databases to meet stakeholder specifications for functionality and business return on investment (ROI).

•Designed and deployed host computers.

•Set up technical systems for automated monitoring of system performance.

•Took a proactive role in procurement considerations specific to hardware, software, and communications IT components.

•Managed infrastructure upgrades, analysis, and resolution of end-user hardware and software issues.

•Facilitated IT enterprise architecture across the organization's enterprise transformation programs.

•Defined and made public standards related to databases and related end-user technical applications.

•Applied knowledge of data backup, recovery, security, and integrity.

•Wrote SQL scripts to automate processes.

•Hands-on with MySQL and MongoDB.

•Applied VMWare and SAN management and concepts.

•Wrote Shell, Perl, and Python scripts.

•Applied knowledge of protocols such as DNS, HTTP, LDAP, SMTP, and SNMP.

•Performed troubleshooting/bug fixing and provided production support.

Education

Master of Science (Major in Computer Science)

Florida State University, Tallahassee, FL

Exchange Student (Major in Computer Science)

Winona State University, Minnesota

Bachelor of Science (Major in Applied Informatics)

Tamkang University, Taiwan (R.O.C), New Taipei City