

NAME

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~ DEVOPS ENGINEER ~

QUALIFICATIONS PROFILE

Innovative, solutions-driven, and analytical IT professional, offering progressive experience in automating and streamlining the software delivery process; combined with the solid capability to maintain a variety of cloud infrastructure solutions.

Adept at directing and providing technical support for cloud-based systems and infrastructures in alignment with the organization's requirements to ensure reliable, secure, and scalable services. Highly skilled at implementing CI/CD pipelines to automate software development workflows, including code integration, testing, and deployment processes. Known for a proven ability to develop incident response procedures and participate in disaster recovery planning to minimize downtime and service disruptions. Well-versed with evolving cloud technologies, industry trends, and best practices, coupled with the ability to quickly adapt to changes. Articulate communicator with bilingual fluency in English and Turkish; able to cultivate and sustain working relationships with diverse professionals and individuals across the organization.

AREAS OF EXPERTISE

*Software and Cloud Provisioning | Infrastructure Configuration and Management | Technology Change Oversight
Agile Methodology Execution | Open-Source Solution Development | Coding and Scripting | Technology Mapping
System Operation Automation | Solution Architecture | Project Planning | Quality Assurance and Control*

PROFESSIONAL EXPERIENCE

Company Name | Torrance, CA

CLOUD ENGINEER (CONTRACT)

05/2020–Present

- Maintain close collaboration with various professionals to ensure efficient workflow, including:
 - Software developers in maintaining seamless integration of code changes into deployment pipelines;
 - Cross-functional teams that include developers, quality assurance (QA) engineers, and system administrators in ensuring alignment with project goals and priorities; and
 - Development team in troubleshooting and debugging code-related problems.
- Author and maintain scripts for automation of deployment processes utilizing Jenkins, GitLab CI/CD, or GitHub Actions, as well as the infrastructure code using Terraform, CloudFormation, or Ansible to manage cloud resources.
- Develop and implement various best practices and operational/process enhancements, including the following:
 - Version control, branching strategies, and code reviews;
 - Infrastructure as code (IaC) templates for AWS cloud service to ensure consistency and reproducibility of infrastructure deployments;
 - Cloud environments, encompassing identity and access management (IAM), network security, and data encryption;
 - Blue-green deployments, canary releases, and feature toggles to reduce downtime and mitigate risk during software releases; and
 - Automated remediation actions for common issues to decrease the need for manual intervention.
- Oversee the close monitoring and optimization of the following functions;
 - Infrastructure costs through resource right-sizing and the implementation of cost-saving strategies;
 - Health and performance of cloud infrastructure utilizing tools such as CloudWatch, Grafana, and Prometheus;
 - Code quality and reliability through the integration of automated testing frameworks into CI/CD pipelines; and
 - Key performance indicators (KPIs) and service level objectives (SLOs) for cloud services.
- Spearhead the provisioning and configuration of cloud services, including virtual machines, containers, databases, storage, and networking components.

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- Build monitoring and alerting systems to determine and address issues in production environments.
- Provide response to incidents and conduct root cause analysis to prevent the recurrence of issues.
- Prepare documentation outlining infrastructure configurations, deployment protocols, and troubleshooting procedures for internal dissemination of knowledge.
- Partake in knowledge-sharing sessions, team meetings, and technical discussions to foster ongoing enhancement of processes and skills.

HANDLED PROJECTS

Project Name: **CloudPrime**

09/2019–12/2019

Role: **Cloud Engineer**

Client Name: [Name of Company]

Objective: Migrate data

- Proficiently developed the AWS cloud models for infrastructure as a service (IaaS), platform as a service (PaaS), and software as a service (SaaS), focusing on establishing continuous integration and continuous delivery (CI/CD) pipelines utilizing GitHub, Jenkins, Terraform, and AWS infrastructure
- Applied Agile development methodology in executing CI/CD pipeline and automating deployments across QA, staging, and production environments.
- Acquired extensive and hands-on experience in utilizing various software and infrastructure, such as:
 - AWS CloudFormation and AWS Elastic Container Service for deploying infrastructure as code for Amazon Web Services (AWS) to the staging and production environments;
 - AWS Lambda for overseeing workflow and role designations through Python scripting;
 - Jira for monitoring issues/defects and configuring workflows, triggers, and plugins to enhance project management efficiency; and
 - Terraform for automating system operations and managing code branches throughout the development lifecycle.
- Administered EC2 instances, S3 storage, and elastic load balancers (ELB) within private or public subnets to maintain secure communication within the network and load balancing for internal database communications.
- Set up load balancers and virtual private clouds (VPCs) with private subnets, leveraging proficiency in diagnosing and resolving connectivity issues.
- Led cloud implementations, which entailed executing code compilation, packaging, debugging, and deployment across diverse environments; using AWS resources such as EC2, RDS, S3, IAM, SES, SNS, and Lambda; and applying CloudFormation JSON templates and Route53 for infrastructure configuration.

Highlight:

- ✓ **Effectively handled launch configurations and auto-scaling groups integrated with SQS and CloudWatch, which resulted in high availability and fault tolerance.**

Project Name: **Code Affairs**

05/2019–11/2019

Role: **FinTech Engineer**

Client Name: [Name of Financial Services Company]

Objective: Implement a continuous integration and continuous delivery (CI/CD) pipeline for a microservices architecture

- Superintended and coordinated AWS infrastructure utilizing Terraform, enhancing resource utilization and cost efficiency.
- Crafted customized AWS service control policies (SCPs) in adherence to governance and compliance requirements.
- Created and maintained AWS IAM users, roles, and policies to strengthen system security and governance practices.
- Maximized utilization of a wide range of software, tools, and equipment as well as services in accomplishing various functions, including:
 - AWS CloudFormation in deploying and managing Jenkins servers, ensuring seamless CI/CD operations;
 - Multiple Linux machines using Ansible and shell scripts to keep system performance and reliability;

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- Git, GitHub, and BitBucket in streamlining source code management, while enabling seamless collaboration and version control;
 - Atlassian tools such as Jira, Confluence, and Bitbucket to boost project management efficiency and foster team collaboration;
 - AWS services, including EC2, S3, RDS, ELB, EBS, ECS, VPC, and IAM in delivering scalable, cost-efficient solutions.
- Thoroughly documented the AWS Cloud Computing and Shared Responsibility model in detail.
 - Oversaw and engaged in day-to-day meetings and sprint planning, cultivating team coordination and progress monitoring, as well as coordinated bi-weekly engineering demonstrations to advocate transparency and stakeholder engagement.
 - Liaised between Engineering and Application teams in addressing concerns and ensuring efficient communication as well as resolving complex AWS and server-related issues to lessen system downtime and improve user experience.

Highlights:

- ✓ Deployed uniform naming conventions and tagging protocols for AWS resources, optimizing resource management efficiency and facilitating cost-tracking.
- ✓ Took charge of establishing and implementing tailored Jenkins CI/CD pipelines, allowing smooth resource deployment processes.
- ✓ Led the automation of management and configuration processes for DigitalOcean Cloud resources.
- ✓ Guaranteed the integrity of AWS service encryption through the utilization of the key management service (KMS), strengthening data security measures.
- ✓ Designed tailored Grafana dashboards to enhance visibility into application performance, resulting in a 60% improvement in issue detection.
- ✓ Drove the initiative to migrate infrastructure as code (IaC) setup from AWS CloudFormation to Terraform, improving the capacity to efficiently lead and scale infrastructure.

EDUCATION

BACHELOR'S DEGREE IN ENGLISH LANGUAGE AND LITERATURE/LETTERS

[Name of University] | [City, State]

PROFESSIONAL DEVELOPMENT

Certification:

AWS Cloud Practitioner

AWS Solution Architect

[Name of Issuing Institution]

Training/Course:

Linux | Python Beginner | Terraform

ACTIVITIES

Participant, 2023 Amazon Web Services Conference