Alex Diaz

Location
Toronto, ON, Canada

Github
https://github.com/akdev1l

Mail
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Programming Languages

- BASH
- C
- C++
- TypeScript
- JavaScript
- Java
- Python
- Rust

Personal Skills

- Ownership
- Collaboration
- Organization

Projects
→ OSTree Images
→ UBlue isogenerator
→ Container Images

Technologies
→ AWS CDK
→ CloudFormation
→ Docker/Podman
→ Ansible
→ libvirt/qemu/kvm
→ Linux

Experience

April 2023 - Present | **System Development Engineer - L5** *Amazon*

- Coach Junior engineers and help onboard new team members.
- Create tasks and architectural designs while leading Junior engineers on implementation.
- Take the lead on technical decisions across the team's projects due to experience and highly technical background.
- Code review and deliver feedback effectively to increase team productivity.
- Implement technically involved parts of ongoing projects (authentication, database access, performance-related functionality).

January 2023 - April 2023 | **DevOps Engineer - L5** *Amazon*

- Created Web-based tool for recovery during emergencies. It automated a clunky and error-prone manual process which resulted in savings of 1500 engineer hours per year. (AWS API Gateway, AWS Lambda, DynamoDB, SQS)
- Designed the architecture of the back-end application on AWS Lambda to lower ongoing maintenance costs. (Java, Dagger, AWS Lambda, Smithy)
- Designed and implemented the front-end website using React, Redux and TypeScript following best practices to achieve optimal performance and responsiveness in mobile and under poor connectivity. (TypeScript, React, Redux, API Gateway, AWS Lambda)
- Designed data processing platform to analyze and detect stuck shipments within the Amazon Fulfillment Network. Expected to save over 4000 hours of engineer time per year. (AWS Glue, Athena, ECS)

June 2020 - December 2022 | **DevOps Engineer - L4** *Amazon*

- Support multiple teams on high severity and low severity incidents, decreasing resolution time.
- Developed a pipeline scanning tool to analyze full CD/CI best practices on over 1,000 pipelines.
- Supported the use of the pipeline scanning tool leading the improvement of the FullCD posture of 30 pipelines.
- Improved an internal tool for automatic dashboard generation taking previously defined alert thresholds into account.

May 2017 - May 2020 | **Systems Engineer** *Fundserv*

- Implemented a fully-automated pipeline to provision VMs on VMware ESXi using Jenkins and Ansible.

- Developed customized ansible inventory plugin to get inventory information via the vSphere Automation SDK.
- Developed a three-tiered Angular/Springboot Java application for accounting.
- Developed a new service management facility built on ksh88.

Education

2021 | **AWS Cloud Practitioner** *Amazon Web Services*
Obtained the Cloud Practitioner certification as an opening in the AWS Skill Tree.

2019 | **Red Hat Certified Systems Administrator** *Red Hat*
Obtained the RHCSA certification after attending Red Hat training sessions.

2019 | **Red Hat Certified Ansible Specialist** *Red Hat*
Self-taught Ansible and was able to obtain the specialist-level certification on it.

2018 | **Computer Programming Diploma** *Seneca College*
Strong focus on hands-on experience with industry standard technologies.