

Maximilian Weitz

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PROFESSIONAL SUMMARY

Lead DevOps Engineer with a track record of automating + standardizing processes, reducing deployment times, and improving efficiency. Especially skilled at learning new tools and processes and establishing standard practices for use by my teammates and organization. I am extremely collaborative and love working with people. I learn extremely quickly and do what's necessary to get the job done.

WORK EXPERIENCE

Lead DevOps Engineer Tactile Medical, Minneapolis MN

JAN 2024 - PRESENT

- Brought on as and act as Lead DevOps Engineer to establish DevOps best practices across Tactile Medical organization.
- Automate end-to-end processes for both configuring infrastructure and deploying code across a multitude of platforms (e.g. Kubernetes, Virtual Machines, App Center, Azure Functions) and runtimes (e.g. iOS, .NET, Javascript).
- Act as Azure SME across organization as we shift our on-prem environments to Azure and adopt native cloud services; ensure industry standards + best practices for Azure Infrastructure. Educate and inform teammates and those I collaborate with as well as create documentation to serve as guidance asynchronous of my direct input.

DevSecOps Engineer Willdan Group, Minnetonka MN

APR 2023 - DEC 2023

- Reduced application build and deployment times by up to 85% by leading the CI/CD pipeline project (35+ pipelines across 3 products) which results in shorter lead time and deliverables by our Development teams.
- Achieve savings of \$40,000+/yr in increased efficiency by automating processes otherwise performed manually by Development and Operation team leads.
- Work with development teams to integrate DevOps processes and culture into their workflows to increase efficiency and collaboration.
- Write PowerShell scripts to reduce manual efforts of system administration by the DevOps team within our Windows environments.
- Write programs/scripts in GoLang and Python to interact with the Azure DevOps REST API automating auditing as well as CI/CD pipeline execution, leading to increases in developer efficiency.

DevOps Engineer Midland Credit Management, Saint Cloud, MN

JULY 2022 - APR 2023

- Implemented a streamlined AWS Lambda deployment process by combining Terraform with CI/CD, reducing AWS cloud infrastructure deployment times which resulted in a 60% improvement over the old process.
- Use Terraform to configure essential AWS cloud networking infrastructure, including security groups, route tables, and ALBs within the AWS Virtual Private Cloud (VPC) environment to ensure consistency and security across our AWS environments.
- Designed and maintained AWS Identity and Access Management (IAM) roles, policies, and documents to maintain adherence to access control best practices.
- Wrote Ansible playbooks and roles to be run against our on-prem Windows environment for use in auditing as well as configuration management.

- Spearheaded new projects on AWS by acting as Terraform SME within the Development team ensuring on-time deliverables in Agile environment.

PROJECTS

Serverless ChatGPT Bot

- Completely serverless (infrastructure) Chat Bot that interacts with ChatGPT from Discord. Retains message history much like the official ChatGPT website (a feature not native to the OpenAI API).
 - The bot is written entirely in Python and interacts with Discord users primarily through HTTP and API Gateway.
 - Cloud Infrastructure: Consists of AWS DynamoDB, AWS Lambda, AWS API Gateway, AWS S3, AWS Cloudwatch for logging. Scripted and provisioned using Terraform.
 - Has an associated Azure DevOps CI/CD pipeline that automates infrastructure provisioning, code updates, etc.

Personal/Portfolio Serverless Website built on AWS

- Linktree(like) website that contains links to personal sites, Github projects, etc.
 - Cloud infrastructure: Consists of AWS CloudFront, AWS S3, AWS IAM, Route53. Scripted and provisioned on AWS using Terraform.
 - Has an associated Azure DevOps CI/CD pipeline that automates updating of code + resources.

Technical Skills/Competencies

- Tools/Platforms: Terraform, Ansible, Git/Github, Microsoft Internet Information Services, Docker, Azure DevOps, Microsoft SQL Server, Azure, AWS
- Programming/Scripting Languages: Python, Powershell, Go/GoLang, Bash

EDUCATION

B.S. Information Systems, Saint Cloud, MN

AUG 2017 - DEC 2021

Coursework: System Analysis and Design, IT Infrastructure, Database Design,

CERTIFICATIONS

- AWS Solutions Architect Associate
- Terraform Certified Associate

MAR 2023

FEB 2023