Kyle Maclachlan

Software Engineer
kyle.maclachlan@kmac907.tech | kmac907.tech | github.com/Kmac907

Summary

Software Engineer with experience building scalable APIs, automating backend infrastructure, and developing cloud-native applications. Proficient in C#, Golang, Python, Javascript, and RESTful API development, with expertise in managing backend systems, databases, and infrastructure as code. Proven track record in optimizing performance, reducing downtime, and delivering robust solutions for enterprise environments.

Experience

Senior Cloud Engineer, ACC3 International – Alaska, Anchorage January 2025 – Present

- Architected and managed Azure Gov-Cloud environments using services such as Azure Virtual Machines, Azure Blob Storage, and Azure SQL Database to support development, testing, and production operations.
- Implemented CI/CD pipelines using Azure DevOps and GitHub Actions, integrating Azure CLI, PowerShell scripts, and Terraform to automate infrastructure provisioning, deployment, and compliance checks.
- Developed and deployed cloud-native applications using .NET Core and C#, leveraging Azure App Services and Azure Functions for scalable, serverless compute solutions.
- Developed PowerShell, Azure CLI, and C# scripts to streamline operations, including automating key DevSecOps workflows such as build artifact promotion, deployment packaging, and repository management.

Systems Engineer 1, Alaska Communications – Alaska, Anchorage November 2023 – Present

- Collaborated with cross-functional teams to refactor legacy Perl scripts into modern Golang-based services, improving maintainability, reducing execution time by 30%, and enabling concurrent processing.
- Built RESTful APIs using Python (Flask/Django) and Node.js for IoT and edge devices, enabling zero-touch deployment, automated firmware updates, configuration synchronization, and performance reporting.
- Developed scalable backend services using Golang and Python to support cloud-native applications, implementing RESTful APIs for seamless communication between distributed systems and databases.
- Automated deployment of networks, storage, and virtual machines leveraging infrastructure as code (IaC) tools like Terraform and Ansible, while maintaining version control and compliance with organizational standards.

Automation Engineer, Pacific Dataport – Alaska, Anchorage February 2023 – November 2023

- Designed and implemented robust integration solutions by leveraging Python (Flask) based REST APIs to enable seamless communication between enterprise systems.
- Developed and deployed custom Python scripts to streamline operational tasks within Azure environments, including automating virtual machine provisioning, managing Azure Blob Storage, and generating cost-optimization reports.
- Analyzed and visualized large-scale operational data by utilizing Python libraries such as Pandas for data wrangling and Matplotlib for detailed trend visualization.

Education

Western Governors University – Bachelors in Network Engineering and Security 2024

Skills

Programming Languages: Python, Bash, PowerShell, Javascript, SQL
Frameworks: Flask, Django, FastAPI, Svelte, Blazor
Version Control: Git, GitHub, GitLab
API Development: RESTful API, gRPC, JSON, GraphQL
Databases: Cosmos DB, MongoDB, PostgreSQL
Infrastructure: Ansible, Docker, Kubernetes, Terraform, Redhat, Alpine Linux, Slackware, Debian, Windows Server