JOSEF DOORNINK

Site Reliability Engineer | AI Infrastructure & MLOps

Portland, OR | jdoorarg@gmail.com | LinkedIn | GitHub | Portfolio

PROFESSIONAL SUMMARY

Site Reliability Engineer with 12+ years of software engineering experience building reliable distributed systems and scalable cloud platforms. Currently focused on applying SRE fundamentals to AI engineering and MLOps infrastructure, with hands-on work in model training/serving environments. CKS/CKA certified with a strong track record in automation, performance optimization, and reducing operational toil.

TECHNICAL SKILLS

Languages: Python | Go/Golang | Bash | C# | SQL

ML/AI Engineering: Model Serving | ML Pipeline Development | Distributed Training Systems | Model Training Infrastructure

Infrastructure: Kubernetes (AKS) | Docker | Terraform | Azure | AWS | Kafka | Redis | ElasticSearch

DevOps & SRE: GitHub Actions | Azure DevOps | CI/CD | Prometheus | New Relic | Azure Monitor

PROFESSIONAL EXPERIENCE - STARTUP

Lead MLOps Engineer | REASON BENEFIT AI CORPORATION | Remote | Oct 2025 - Present

- Architecting AKS production environments for ML model training and serving with distributed inference
- Building Python automation tools for ML pipeline orchestration, reducing manual operational overhead
- Optimizing model serving infrastructure through performance profiling and capacity tuning
- Implementing automated test frameworks for ML pipelines to improve production reliability

PROFESSIONAL EXPERIENCE

Lead Site Reliability Engineer (SRE) | Trimble/Viewpoint | Portland, OR | Jan 2019 - Present

- Architected AKS production environments handling 10M+ requests/day across 30+ microservices with 99.9% uptime
- Developed automation tools using Python and Go that eliminated 80+ hours/month operational toil
- Led performance optimization efforts reducing P99 latency and improving throughput for distributed systems
- Built custom CLI tooling in Go (Cobra) streamlining workflows for 50+ engineers
- Implemented Infrastructure as Code using Terraform managing 500+ cloud resources
- Created CI/CD pipelines with automated testing,sophisticated deployment templates, and rollback mechanisms

Software Developer | Viewpoint | Portland, OR | Mar 2018 - Jan 2019

- Developed cloud-based SaaS applications using .NET and Angular on Azure platform
- Built RESTful APIs for multi-tenant applications serving thousands of users

Software Developer I | Onfulfillment | Portland, OR | Mar 2014 - Mar 2018

- Engineered multi-tenant e-commerce platform using .NET, C#, SQL Server integrated with SaaS APIs
- Led migration of legacy codebase to modern platform, measurably improving response times

KEY TECHNICAL PROJECTS

Distributed Training Pipeline Optimization (2025) - Improved training cycle time by profiling RL pipeline bottlenecks, reducing Python GIL contention, and introducing automated pipeline validation

Kubernetes Security Hardening (2024) - Reduced security risk by implementing CKS controls and automation that supported SOC2 compliance

High-Performance CLI Tooling (2023) - Created production-grade CLI tools in Go for infrastructure management adopted by 50+ engineers

CERTIFICATIONS

- **CNCF Certified Kubernetes Security Specialist (CKS)** | March 2024 | LF-ghgugl1a0s
- **CNCF Certified Kubernetes Administrator (CKA)** | June 2021 | LF-w50bpv1lpd
- **Machine Learning Specialization** | Stanford/Coursera | September 2025
- **Microsoft Certified Azure Developer Associate** | August 2019 | H210-5692
- **HashiCorp Certified Terraform Associate** | July 2022 | HCTAO-002

EDUCATION

Master of Science, University of California, Davis | 2006

Bachelor of Science, Mechanical Engineering | California State University, Chico | 2003