

Dan Dean

dan@deandean.net | github.com/dandeandean | dan.deandean.net

WORK EXPERIENCE

DevOps Engineer

August 2024 — Present

Minitab

State College, PA

- Collaborated with application engineering teams to scale infrastructure-as-code patterns, ensure backend services were built with secure and reproducible configurations, and support prototyping and performance improvements across multiple product lines
- Assumed ownership of a complex, distributed SaaS platform during a team transition, rapidly onboarding and becoming fully productive within weeks; maintaining Kubernetes and cloud infrastructure
- Developed a Go-based CLI tool using Cobra to streamline management of Azure DevOps pipelines, enabling engineers to trigger, inspect, and manage pipeline runs directly from the command line; reducing manual overhead, improved workflow consistency, and provided a faster interface for interacting with Azure DevOps across multiple environments
- Developed and maintained CI/CD pipelines with Azure integrations for a multi-team platform migration effort, increasing automation, improving deployment consistency, and reducing manual operational load across environments

Learning Assistant

August 2023 — May 2024

The Pennsylvania State University

State College, PA

- Assisted students in understanding complex theoretical computer science concepts through clear explanations, examples, and guided problem-solving
- Supported students in building CRUD applications using JavaScript, HTML, and CSS, helping them apply foundational web development principles in hands-on projects

PROJECTS

Open Source Contributions

github.com/dandeandean

- Asynchronous collaboration on planning, communication, and implementation
- Golang software engineering focused on bug fixes refactoring, and Developer Experience

Home Lab

github.com/dandeandean/nixos-config

- Continuously improving my personal 5 node compute cluster
- NixOS declared systems with modular design
- K3s Kubernetes cluster backed by FluxCD
- Self hosted on Kubernetes with Cloudflare DNS configuration and Google Cloud Artifact Registry
- Static Site with NGINX in Docker containers
- Self Hosted GitHub Actions Runners
- Cloud-native principles with continuous delivery

Bookworm

github.com/dandeandean/bookworm

- CLI tool to manage bookmarks with bboltdb nosql datastore and Cobra CLI
- GitHub actions CI/CD pipelines with Homebrew tap

SKILLS

Technology: Azure, CI/CD Pipelines, Docker, Kubernetes, Linux

Languages: Go, Python, Bash, Terraform/HCL, Nix

Spoken Languages: English (Native), Spanish (Limited Working Capacity), French (Basic)

EDUCATION

The Pennsylvania State University

August 2023 — May 2024

M.S. Cybersecurity Analytics and Operations

State College, PA

The Pennsylvania State University

August 2020 — August 2023

B.S. Computer Science - Minors Mathematics and French

State College, PA