PROFILE

Dynamic DevOps Engineer with hands-on experience in cloud infrastructure, CI/CD pipelines, and container orchestration. Skilled in automating deployments and maintaining scalable, reliable systems using Azure, Docker, and Kubernetes. Proficient in Infrastructure as Code (IaC) with Terraform and Ansible, with a strong focus on monitoring, performance, and system resilience. Passionate about bridging development and operations through effective collaboration and automation.

CONTACT

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SOCIAL:
- GitHub
- LinkedIn
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LANGUAGES

English (Native)
Russian (Intermediate)
Hindi (Native)
Malayalam (Native)
Tamil (Native)

ASWADH PUTHEN VEEDE

Devops Engineer

EDUCATION

National Research Tomsk State University
[Software Engineering]
Sep 2025 – Present
4.8 Overall GPA, Have made a Full stack Website called Reverb for Coursework.

CERTIFICATIONS & COURSES

- **Microsoft Certified Course: Azure Administrator Associate**
- **Microsoft Certified Course: Designing and Implementing Microsoft DevOps Solutions**
- **Docker Certified Associate (DCA) (in progress)**
- **Kubernetes for DevOps Engineers (Udemy / Coursera)**
- **Terraform Associate (HashiCorp Certified) (in progress)**

SKILLS

Cloud & Infrastructure: Azure, AWS (Basics), Kubernetes, Docker, Yandex Cloud, Terraform, Ansible, Prometheus, Grafana, Nginx, Linux (Ubuntu)
CI/CD & Automation: Azure DevOps, Jenkins, GitHub Actions, GitLab CI, Shell/Bash Scripting, YAML Pipelines
Development & Tools: Python (Flask, FastAPI), Node.js, React, REST APIs, PostgreSQL, Redis, MongoDB
Monitoring & Security: Azure Monitor, ELK Stack, SonarQube, OWASP, Role-Based Access Control (RBAC)
Version Control & Collaboration: Git, GitHub, Agile/Scrum, Jira
Languages: Python, C++, C#, JavaScript, Go, Kotlin, HTML and CSS

PROJECTS

- **Reverb — Cloud-based Audio Collaboration Platform (Full Stack Project)**

[Technologies: React, Node.js, Flask, Docker, Azure, Nginx, MongoDB, Python]

- Designed and deployed a music collaboration platform enabling users to upload, edit, and mix audio in real-time using Flask-based microservices.
- Integrated cloud-based processing for karaoke-style effects and plugin rendering using containerized Flask services.
- Implemented CI/CD pipelines via GitHub Actions and Azure DevOps, automating build, test, and deployment.
- Deployed production workloads to Azure Kubernetes Service (AKS) for scalability and resilience, with load balancing via NGINX Ingress.
- Set up monitoring and logging using Prometheus, Grafana, and Azure Monitor.]

- **Virtual Manager for DevOps Cloud System — Cloud VM Orchestration Platform (in Progress)**

[Technologies: Python, FastAPI, Ansible, KVM, REST API, Docker, Prometheus, Yandex Cloud, Virtual Box]

- Developed a private cloud management API to dynamically create, configure, and manage virtual machines across multiple physical servers.
- Implemented RESTful APIs for VM lifecycle operations (create, start, stop, delete, configure network).
- Automated provisioning and network configuration using Ansible and Terraform, enabling on-demand VM allocation for students via browser access.
- Optimized VM provisioning by maintaining a pre-warmed pool of instances, reducing deployment delay from ~60s to <10s.
- Designed system monitoring with Prometheus metrics and Grafana dashboards, ensuring efficient server utilization.

PROFESSIONAL EXPERIENCE

Tomsk State University — Software Engineer Intern

Reverb – Full-Stack Music Collaboration Platform
Academic & Personal Project | Cloud & Audio Processing | 2024–2025

- Developed a cloud-integrated web platform for collaborative audio editing using Flask and React.
- Implemented CI/CD pipelines with automated testing and container-based deployment to Azure Cloud.
- Configured container orchestration and scaling using Docker Compose → Kubernetes migration strategy.

Virtual Manager – DevOps Cloud System (in progress)
Thesis Project | Yandex Cloud Infrastructure | 2025

- Designed and implemented a Virtual Machine Manager system to automate VM lifecycle management (create, monitor, and terminate VMs) using Yandex Cloud Compute API.
- Deployed multi-tier architecture with Terraform for infrastructure as code and Dockerized services for scalability.
- Integrated CI/CD pipelines with GitHub Actions to automate testing, container builds, and cloud deployments.
- Implemented secure SSH access, load balancing, and monitoring through Prometheus and Grafana dashboards.
- Applied DevOps best practices—continuous integration, delivery, and infrastructure automation—for optimized cloud resource utilization and reliability.