

Professional Summary

Detail oriented and results driven DevOps Engineer with 3+ years of experience in Linux Systems, DevOps practices, cloud infrastructure, and automation. Proven expertise in optimizing workflows, enhancing system performance, and ensuring seamless CI/CD pipeline integration. Skilled in managing and scaling complex cloud environments across AWS, GCP, and Azure platforms.

Skills

- **Programming Languages:** C, Haskell, Python, Rust, Lua, SQL, Shell Scripting, PHP, Node.js, CPP, Lisp
- **DevOps Tools:** Docker, Jenkins, Ansible, Terraform, Git, Kubernetes, CI/CD, Prometheus, Grafana, SNMP
- **Cloud Platforms:** AWS, Google Cloud Platform (GCP), Microsoft Azure, Hetzner, Linode, Digital Ocean, Vultr
- **Frameworks & Tools:** Flask, Django, Org Mode, relayd, httpd, Nginx, Apache
- **OS & Environments:** OpenBSD, Linux (Debian, Arch), Emacs, SSH, VIM
- **Soft Skills:** Excellent communication, Troubleshooting, Problem Solving, Team Management, Decision Making

Professional Experience

DevOps Engineer

AMG Solutions

Remote

November 2023 – Present

- Increased data processing efficiency by 20% through automated collection and reporting processes.
- Collaborated cross-functionally to align project scopes and requirements with business goals, driving project success.
- Authored technical reports on cloud infrastructure projects to streamline knowledge transfer across teams.
- Utilized Google Cloud services (Compute Engine, Cloud Storage, Load Balancing) to optimize cloud infrastructure.

Cloud Engineer / Webmaster

Various Companies (Google Cloud, IIT Kanpur (Prutor AI))

Remote

January 2022 – April 2023

- Enhanced cloud infrastructure performance, achieving 15% productivity gains by automating workflows.
- Streamlined data processing, reducing latency and improving efficiency across cloud environments.
- Developed comprehensive documentation for technical projects, supporting effective communication across teams.

Projects - ([git server](#))

LuaoSSL for OpenBSD

September 2023 – Present

- Optimized cryptographic operations for OpenBSD by ensuring full compatibility with the native 'LibreSSL' library.
- Applied patches and code optimizations, improving stability and response times of secure connections by 30%.
- Collaborated with the integration of LuaoSSL, ensuring adherence to BSD standards and seamless integration.
- Utilized CI/CD pipelines to automate the deployment and testing of updates, reducing manual testing by 50%.

YouTube Local Web Frontend

May 2023 – November 2023

- Developed a local web frontend with Python and Flask for a lightweight YouTube browsing experience.
- Implemented video search, playback, and playlist functionalities, achieving a 95% response accuracy in test scenarios.
- Optimized backend queries and video rendering code, resulting in a 60% reduction in video load time.
- Enabled data caching and implemented an efficient memory management system, reducing server memory usage by 40%.

Secure SSH Gateway and Access Control Implementation

September 2023 – Present

- Designed and deployed a secure SSH gateway for multi-user environments, improving server access control.
- Set up 2FA and role based access control, reducing unauthorized access attempts by 85%.
- Automated SSH key management and expiration to reduce risks from stale or compromised keys.
- Monitored and logged all user sessions, enabling audit trails and strengthening compliance with security policies.
- Reduced access related incidents by 40% through rigorous user training on SSH best practices and access policies.

Education

Bhubanananda Odisha School of Engineering

Diploma in Information Technology; GPA: 8.06

Cuttack, India

2021 – 2024

Certifications

IBM Back-End Development Specialization ([IBM](#))

Aug 2024

DevOps on AWS Specialization ([AWS](#))

Jul 2024

Cloud Engineering ([Google](#))

Apr 2022