

Debabrata Choudhury

Bangalore, India

☎ (+91) 79-789-25809 | ✉ sudodeba97.iitbbsr@gmail.com | 📱 LoneWolf38 | 🌐 lonewolf38

Summary

Currently a Senior Platform Engineer at start-up company Acceldata. 4+ years of experience specializing in the backend tools development, infrastructure automation, product deployment automation. Super geek who loves Vim(Neovim), Linux, and enjoys to customize all of the development environment. Interested in learning new technologies and tools if needed or developing the tools myself.

Work Experience

Acceldata Pvt Ltd

Bangalore, India

SENIOR PLATFORM ENGINEER

Oct. 2020 - Present

- Led a team of 4 professionals, overseeing [specific tasks/projects] to ensure successful execution and achievement of objectives within [specific timeframes]. Facilitated collaboration, delegated responsibilities, and maintained high standards of performance to deliver [specific results/outcomes].
- Designed and developed a command-line interface (CLI) for streamlined deployment of product microservices on On-Prem servers using Docker. The solution supported Cloudera, Ambari, and standalone Hadoop clusters, automating configuration and deployment processes. Developed an integration testing framework, significantly reducing QA testing time by mocking responses from various cluster types. Reduced product installation time from 60+ days to just a few minutes.
- Developed an agent management system to oversee the deployment and lifecycle of agents. The system handled installation, removal, configuration management, and operational control (start/stop), while synchronizing configuration versions and reporting status changes back to the server. This enhanced agent reliability and management.
- Led the development of a cross-platform installer for product agents, transitioning from RPM/DEB-based installers to a more flexible, Golang-based solution. This new installer supported various Linux environments, improving the installation process by eliminating dependency on traditional package managers.
- Integrated observability capabilities for Hadoop services, particularly Druid, Ozone, and Nifi, into the product to enhance monitoring and cluster performance insights.
- Built an automated Actions Service that executes actions across customer clusters with a robust agent-server architecture. The system leveraged the go-plugin library by Hashicorp to replace the dependency on Ansible, streamlining automation and improving execution efficiency. Used NATS for scalable solution and fault tolerance.
- Led rapid deployments for proof of concept (PoC) trials, ensuring quick implementation to support business deals. Provided clients with insights on key metrics to monitor cluster performance.
- Managed software releases, timelines, and feature planning. Administered version control, branching strategies, and release pipelines to ensure smooth deployment and continuous integration.
- Managed internal infrastructure and automated deployment systems, ensuring the stability of various cluster environments and overseeing the management of virtual machines and cloud resources.

Skills

DevOps AWS, Docker, Kubernetes, RancherV1, Jenkins, Linux(redhat)

Programming Bash, Golang, Rust(beginner)

Honors & Awards

HACKATHONS

2022 **1st Place**, Acceldata Hackathon, 2022

Bangalore, India

Education

International Institute of Information and Technology

Odisha, India

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

Mar. 2016 - Aug. 2020

- Graduated from College with 7.5 CGPA