Dipankar Das

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PROFESSIONAL SUMMARY

A results-driven DevOps Engineer with 2+ years of experience designing, automating, and managing resilient infrastructure for distributed systems. Passionate about building robust CI/CD pipelines and infrastructure-as-code solutions to support High Available & Scalable workloads. Proven ability to lead complex open-source projects, architect scalable cloud-agnostic tools, and optimize deployments.

SKILLS SUMMARY

- **Languages**: Go, C, Python, Rust, Java, JavaScript, C++
- **Tools**: Kubernetes, Docker, MongoDB, MariaDB, NATS, Redis, Jenkins, Ansible, Terraform, Vault
- **Concepts**: Event-driven systems, CQRS, DDD, Event Sourcing (familiar)
- **Platforms**: AWS, Azure, Hetzner, GCP, Linux
- **Soft Skills**: Project Maintainer, Planing, Tech. Writing, Time Management and Automating things

EXPERIENCE

- **rtCamp** — Pune, India
  DevOps Engineer — Jan 2024 - Present
    - **Migrating Existing Terraform Infra**: Handled multiple client tasks involving custom GitHub Actions pipelines and Terraform modules with zero downtime and zero configuration drift.
    - **Production Kubernetes**: Managing Production Kubernetes setup to maintaince of the infra which is going to help them achieve 20% less cost and higher performance with their existing docker compose based deployment of frappe/ERPNext
    - **Built and managed dash.easyengine.io**: WordPress Site Management platform.
    - **Increase Efficiency of Existing Github SelfRunners**: Segregated Runners with labels based on the compute capacity each VM has along with that multi selfRunners with its own workenv inside a single large VM.
    - **Nginx, HaProxy & OpenResty**: working with various configurations
    - **Docker rootless & Kubernetes**: AKS, EKS, GKE, Self-Managed cluster, GitOps, Terraform, WordPress, Frappe Deployment
    - **Fail2ban, CloudFlare**: configurations for banning using abuseip and cloudflare deny specific IPs
    - **Frappe, Python**: Developing a app for automating provisioning platform for WordPress, PHP, NGINX websites using Ansible and Pulumi

- **kubmin − ksctl** — Remote
  Founder & Principal Engineer — Jun 2025 − Present
    - **System Design**: Architected Go-based stateless service which can share horizontally which is bascked by SQLite (Turso), Redis caching, Rate Limiting, and NATS messaging for event based system, thus enabling cluster's workload lifecycle management across AWS, Azure, and GCP.
    - **Asynchronous Task Processing**: Built event-driven worker system with NATS messaging for long-running cluster operations, improving API responsiveness and enabling horizontal scalability. In Process got to create custom Statemachine for handling complex workflows from retry logic to what all errors can be retried with exploiting NAK and ACK mechanism.
    - **Enterprise RBAC & Quota System**: Implemented role-based access control with Authzed and multi-tenant quota enforcement for workload management across organization hierarchies.
    - **Full-Stack Platform**: Developed Next.js (App Router) SaaS frontend with TypeScript, Tailwind CSS, and shadcn/ui, featuring real-time monitoring and developer-centric UI.
    - **Agentic Workflows**: Leveraging Claude Code and Gemini CLI models to build autonomous agents during development phase of this paltform to help developers with higher velocity and less cognitive load.
    - **Website**: [Link to Detailed view](#)

- **Viamagus** — Remote
  DevMLSecOps Consultant POC (Freelance) — Feb 2025 − Apr 2025
    - **Integrating vulnerabilities finder inside their CI**: used OWASP ZAP to help the team find bugs in their APIs like SQL injection, man-in-middle attacks for their web applications and APIs
    - **Integrating Snyk into their Code Review Pipeline**: into their CI pipelines for vulnerability scanning.
    - **Optimized internal LLM-based projects**: Helped containerization and even created resport on what are the real benchmarks interms of image size, network/disk performance.
    - **Deploying OSS LLM Models**: Deployed vLLM and ollama with AWS Auto Scaling Groups and VPC PrivateLink infrastructure.

- **Open Source Contributions** — Remote
  Self-Employed (Part-time) worked on Rust, Go, JavaScript, CI/CD Pipelines, Documentation — Feb 2022 - Present
    - **For Detailed view**: [Link to Detailed view](#)

PROJECTS DETAILED VIEW

- **KsctlCli - Github Link**   Cloud Agnostic Kubernetes management tool
  Founder & Lead Developer   *Sep 2022 - Sep 2025*
  - A Generic Kubernetes Management CLI tool for various cloud providers
  - Worked with NATS and event-driven patterns in internal tools.
  - Integrated with MongoDB, SQLite (Turso), Docker, and Kubernetes APIs.
  - Tech: Go, Kubernetes, AWS, Azure, Civo, GCP, Docker, Cosign, System Design

- **WAE - WASI App Experiment - Link**   AI and WASM
  Creator and Maintainer, Wattime, OpenAI, WASM   *Jul 2024 - Aug 2024*
  - Built a modular WebAssembly (WASI) app using multiple language runtimes for end-to-end automation.
  - Demonstrated multi-service orchestration with persistent local storage and cross-component comms.
  - was able to achieve multi language code base on single build system by using WASI@v2
  - Tech: Rust, WASM, Python, OpenAI, WattTime, GitHub API

- **Chat bot - Link**   LLM and WASM
  Creator & Maintainer, Transformer, WASM   *Jun 2023 - Jul 2023*
  - Create HTTP server using rust as a wasm module and have it to handle request for the text2text generator machine learning model running on huggingface
  - Tech: Rust, WASM, Python, FastAPI, HuggingFace

CERTIFICATES

- All certificates and badges certificates

EDUCATION

- **KIIT University**   Bhubaneswar, India
  Bachelor of Technology in Computer Science; GPA: 9.17   *Aug 2020 - Jun 2024*

LANGUAGES

- English - Native or bilingual proficiency

VOLUNTEER EXPERIENCE

- **CNCF Green Reviews (Contributor)**   Global
  Aim to measure carbon footprint of CNCF projects
  - Reviewed CNCF projects for sustainability and environmental impact.
  - Worked on SCI scoring and Golang monitoring tooling.

- **Kubesimplify (Ambassador)**   Global
  Simplify Cloud native concepts — created and maintained a project, tech. blogs