Dipankar Das

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EDUCATION

- **KIIT University** — Odisha, India
  Bachelor of Technology - Computer Science; GPA: 9.17 — *Aug 2020 - June 2024*

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*
  - **Github actions**: from custom runners to release pipelines, ghcr
  - **Nginx, HaProxy & OpenResty**: working with various configurations
  - **Docker rootless & Kubernetes**: POC on docker and GKE standard cluster, GitOps, Terraform
  - **Fail2ban, CloudFlare**: configurations for banning using abuseip and cloudflare deny specific IPs
  - **Frappe, Python**: Developing a app for automating provisioning platform for Workdpress, php, nginx websites using ansible and pulumi
  - **Built and managed dash.easyengine.io**: using MariaDB and Terraform for infrastructure automation.
  - **Client tasks**: Handled multiple client tasks involving custom GitHub Actions pipelines and Terraform modules.

- **Viamagus** — Remote
  DevMLSecOps Consultant POC (Freelance) — *Feb 2025 – Apr 2025*
  - **OWASP ZAP**: Designed and deployed as a proxy-based security testing solution. For their QA team
  - **Snyk**: Integrated Snyk into CI pipelines for vulnerability scanning.
  - **AI**: Optimized internal LLM-based projects: containerization, network/disk performance.
  - **Deploying OSS LLM Models**: Deployed vLLM and ollama with AWS Auto Scaling Groups and VPC PrivateLink infrastructure.

- **Viamagus** — Remote
  DevOps POC (Intern) — *Feb 2023 - Sep 2023*
  - **Automate Build and Publish for React-Native app on Android & iOS**: automate staging environment to build and deploy them to Android, iOS
  - **Snyk Integration in Jenkins Jobs**: Addition of snyk for vulnerability scan and send the report through emails
  - **Kubernetes to manage containers**: EKS, AKS, K8s Gateway API

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

- **Technical Blogs** — Remote
  Self-Employed — *Mar 2022 - Present*
  - All the Blogs written on Cloud-Native technology (from security to deployment, troubleshooting to containerization)
  - Link to Detailed view

Projects Detailed view

- **Ksctl -** [Github Link]   Cloud Agnostic Kubernetes management tool
  Founder & Lead Developer   *Sep 2022 - Present*
  - 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]

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