Diptesh Choudhuri

IgnisDa | Diptesh Choudhuri | Website | Blog | diptesh.choudhuri@gmail.com

Software Engineer with expertise in Backend Development and DevOps. Proven track record of building scalable systems, optimizing infrastructure, and delivering AI-powered solutions. Seeking to leverage technical proficiency in Rust, Go, and TypeScript to drive innovation as a *Backend and DevOps Engineer*.

Work Experience

Acciojob (Full-Stack Developer) August 2024 - Present

- Engineered an AI-powered **automated shortlisting** system evaluating candidates' GitHub profiles, LeetCode performance, and resumes; productized as a standalone B2B offering.
- Architected and rebuilt critical meeting scheduling infrastructure, delivering **15L annual savings** on Zoom licensing costs while improving system reliability and performance.
- Developed an agentic AI interface for database interaction, enabling natural language processing of analytical queries to democratize data access.
- Built **automation** for scheduling assessments for Naukri.com candidates with a secure, human-in-the-loop 2FA step, reducing **HR overhead**.

Dzylo (Full-Stack Developer) December 2023 - July 2024

- Engineered an immersive 3D **virtual tour** platform with full **VR** support to enhance property visualization, enabling potential buyers to explore properties remotely and increasing client engagement metrics.
- Architected a robust **attendance tracking system** enabling efficient workforce management and reporting, incorporating real-time geolocation verification and automated leave management workflows.

Profilr (Backend Internship) December 2022 - October 2023

- Architected a secure, sandboxed code evaluation engine using containerization technologies, scaling to support **1000+ concurrent users** with sub-second execution latency while ensuring complete isolation from the host system.
- Engineered a comprehensive assessment platform featuring advanced AI-driven **proctoring** and **anti-cheating** mechanisms, utilizing computer vision to detect suspicious behavior and ensure the integrity of high-stakes technical interviews.
- Implemented an **LLM-based algorithm** for semantic resume ranking to optimize candidate-job matching.

Incento (Backend Internship) September 2021 - September 2022

- Implemented a secure **KYC verification system** integrating Aadhaar and PAN card validation APIs, significantly reducing onboarding time while ensuring strict adherence to regulatory compliance standards.
- Rewrote the backend for **scalability** to support growing user demand. The new server was capable of handling **300 concurrent** blockchain transactions, ensuring high availability during peak traffic periods.
- Developed a high-performance framework for delivering personalized **transactional emails** at scale.
- Built a cryptocurrency gift card redemption platform integrating **30+ external services**.

Personal Projects

Ryot: Open-source media and fitness tracking application featuring extensive async network programming and automated scheduling. Achieved 3k+ GitHub stars, 1k+ monthly active users, and $400+ in active revenue.

Codefarem: Educational platform empowering instructors to teach coding skills through interactive tools and management features. Compiles code into WebAssembly for secure, sandboxed execution.

Resourceium: Collaborative resource-sharing platform designed for college students to facilitate academic material exchange. Focuses on discovery of useful resources and peer-to-peer sharing.

Active Open Source contributor with merged PRs in high-profile projects including SurrealDB, EdgeDB, Vector, Moonrepo, Hanko, Zulip, Sea-ORM etc.

Education

Bennett University Cumulative GPA: **9.2** / 10.0
BTech Computer Science September 2020 - September 2024

Birla Vidya Niketan Percentage: **94** %
Science Student April 2006 - April 2020

Skills

Rust, Go, TypeScript, Python, Java, C++, System Design, Distributed Systems, Microservices, PostgreSQL, MySQL, Redis, Kafka, gRPC, Docker, Kubernetes, Terraform, AWS, GCP, Azure, Linux, GitHub Actions, CI/CD, Prometheus, Grafana, LLMs, GenAI, React, Next.js, Tailwind CSS, GraphQL, Django, NestJS, Spring Boot, Tokio