NRISHINGHANANDA ROY

Rust Software Engineer

I like to write efficient, secure, clean and documented software, by using test driven development (TDD) with a continuous integration environment. I often contribute to Rust Open Source Projects.
I'm currently working on containerized microservices, managed by Docker and Kubernetes.

Contact Information :

Email: royrustdev@gmail.com
Github: https://github.com/royrustdev
LinkedIn: https://www.linkedin.com/in/royrustdev
Web: https://royrustdev.com

Open Source Contributions :

rust-clippy: a bunch of lints to catch common mistakes and improve rust code. It's used in both local development and ci-cd pipeline to maintain code quality and lint check.

axum: ergonomic and modular web framework built with Tokio, Tower, and Hyper. I am also using it in TrustForum for building web-services.

Technical Skills :

Languages/Frameworks: Rust, Web Assembly, axum, actix-web, tokio, hyper, Typescript, Shell Scripting, SQL, Node.js, Vue.js, Vite, Javascript, scss, css, html

DevOps: Docker, Kubernetes, Gitlab CI, Github Actions, dagger.io

Database: PostgreSQL, Redis, MongoDB

Operating System: fedora (daily used OS)

IDE and Others: NeoVim, Visual Studio Code, rust-analyzer, Postman

Language Skills :

English - Professional fluency - C1
French - Elementary fluency - A1 (currently learning)
Hindi & **Bengali -** Native Fluency - C2

Project Experience :

TrustForum, Rust Software Engineer | Remote | Full-Time | January 2022 - Present

I'm porting existing node.js backend in Rust and have fully embraced the devops culture. Apart from rust, I'm responsible for devops and infrastructure maintenance.

Achievements and Certifications :

Udemy, completed over 10 courses on web development

Freecodecamp, completed web-development and data-structures courses

Training :

MIT OpenCourseWare, 2020 - present

Learning mathematics, algorithms, computer science, machine learning, and system engineering.

Education Qualification :

Government ITI Gariahat | Kolkata | NCVT ITI course on Survey | 2017 - 2018

I completed a certification course on surveying. It introduced me to surveying & entrepreneurship. I became the class topper in the institution.

DCHS | High School | 2010 - 2016

I participated in mentoring programs during my school and helped junior students with math and english.

I am a self-taught software engineer, passionate about problem-solving, algorithms and independent learning. Although I have been unable to access a formal university degree, I have the tenacity and smart-working mentality to pick up new technologies quickly & effectively, and learn on the job.