

Victor Sierra

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India • Open to Remote & Relocation

EXPERIENCE

Freelance Systems Engineer

May 2026 – Present

Fiverr (Independent Contractor) – [fiverr.com/nexnc-com](https://www.fiverr.com/nexnc-com)

Remote

- Debugged and refactored custom NixOS platform configurations for international clients, resolving nested infinite recursions and package locks.
- Modernized legacy monolithic configurations into clean, extensible modules to guarantee absolute local state reproduction.
- Maintained asynchronous technical clarity under tight release schedules, achieving a 100% project delivery rate and 5-star rating.

PROJECTS & INFRASTRUCTURE

Gyrscale – System Watchdog & Resource Analytics Tool

2026 – Present

Rust, sysinfo, ratatui (Active Development)

- Designing a low-overhead Rust system monitor to parse real-time hardware metrics and perform low-level resource tracking.
- Architecting a phased TUI (**ratatui**) and background watchdog to monitor kernel logs (**journalctl**) for silent hardware and driver anomalies.

Multi-Host Declarative Infrastructure Ecosystem

2023 – Present

Nix Expression Language, Flakes, Home Manager

- Architected a modular multi-host deployment profile enforcing declarative state reproduction across physical hardware and virtual environments.
- Designed a secure configuration blueprint using **sops-nix** and **age** encryption to deploy production secrets to public version control remotes.
- Configured automated workspace isolation via custom Nix **devShells** and **direnv** to inject decoupled toolchains for Python, Rust, and C++.

Self-Hosted Cloud Infrastructure & GitOps Pipeline

2025 – Present

NixOS, Forgejo, Hetzner Cloud, VPN Protocols

- Provisioned an active cloud footprint on a Hetzner VPS using a fully declarative, functional NixOS configuration codebase.
- Deployed a self-hosted Forgejo instance as an independent Git ecosystem, managing platform permissions and secure SSH deployments.
- Orchestrated isolated container microservices via Docker/Podman with reverse-proxy networking, automated TLS, and Cloudflare Core DNS.

EDUCATION

Indian Institute of Technology Madras (IITM)

Chennai, IN

Bachelor of Science in Data Science and Applications

May 2025 – Present

- **Academic Standing:** Current CGPA: 9.0/10.0
- **Core Coursework:** Computational Logic, Discrete Mathematics, Data Structures, and Algorithmic Foundations.

TECHNICAL SKILLS

Languages: Python, C/C++, Rust (Active Track), Nix Expression Language, Shell (Fish/Bash)

Systems & Linux: NixOS Architecture (3+ Years Desktop & Server), Linux Systems Administration, Systemd Core, Wayland Ecosystem

DevOps & Infrastructure: Infrastructure as Code (IaC), Hetzner Cloud, GitOps Secret Management (**sops-nix**, **age**), Podman, Docker, Cloudflare DNS

Workflow & Utilities: Jujutsu (**jj vcs**), Git (GPG Signing), Lazygit, Gitui, Yazi, Zellij Terminal Multiplexer

LANGUAGES

English: Native / Bilingual Proficiency (Academic Medium of Instruction)

Hindi: Native / Bilingual Proficiency

German: Elementary Proficiency (Active A1 Self-Study Track)