

Shubham Yadav

9694121833 | hi@ykira.com | linkedin.com/in/extractings | github.com/Bas3line

EDUCATION

St. Wilfred School

High School, Science

Jaipur, Rajasthan

Aug. 2015 – May 2024

EXPERIENCE

Founder & Lead Engineer

UltraBalancer

September 2025 – Present

Remote

- Built production-grade HTTP/2 load balancer in Rust achieving 500k+ RPS with lock-free data structures and zero-copy I/O
- Implemented HTTP/1.1, HTTP/2 multiplexing, WebSocket proxying, and TLS termination
- Designed feature-complete system with caching, compression (gzip), rate limiting, sticky sessions, and circuit breakers
- Built automatic health checking, retries, and failover mechanisms for high availability
- Integrated Prometheus metrics, access logging, and observability for production monitoring
- Achieved zero-config deployment with sane defaults and YAML/TOML configuration support
- **Tech Stack:** Rust, HTTP/2, WebSocket, TLS, Prometheus

Backend Engineer & DevOps Engineer

MegaLLM

September 2025 – Present

Remote

- Developed backend services in Go powering the native macOS application
- Built native macOS application using Swift for AI chat interactions
- Wrote the model inference and fine-tuning pipeline using vLLM, PyTorch, and Modal.com GPU infrastructure
- Architected microservices with NATS for inter-service messaging
- Implemented Redis for caching, session management, and real-time data
- Set up Grafana and Prometheus observability stack
- Automated CI/CD pipelines with Jenkins for AI workloads
- **Tech Stack:** Go, Python, PyTorch, Transformers, vLLM, Swift, TypeScript, NATS, Redis, PostgreSQL, Docker, Kubernetes, Jenkins, Grafana, Prometheus, AWS

Backend & DevOps Engineer

DynTech

January 2025 – September 2025

Remote

- Developed Server Side Service closely with Seniors
- Implemented Auth & Copy Trading System
- Managed DevOps and Jenkins pipelines
- **Tech Stack:** Go, PostgreSQL, TypeScript, AWS

PROJECTS

UltraBalancer | Rust, YAML/JSON, Networking, Load Balancing

2025

- Developed a modern, production-grade load balancer optimized for high throughput (500k+ RPS) with HTTP/1.x, HTTP/2, WebSockets, and TLS termination
- Implemented multiple load balancing strategies including Round Robin, Least Connections, IP Hash, Weighted Round Robin, and Random
- Built advanced features such as health checks, circuit breakers, sticky sessions, rate limiting, caching, and compression
- Added production-ready operations support with graceful shutdown, Prometheus metrics, access logging, and CLI/YAML configuration

SSH HoneyPot | Rust, Docker, Cargo

2025

- Developed a lightweight SSH honeypot in Rust to capture attacker authentication attempts and executed commands
- Simulated a realistic fake shell with structured JSON Lines logging for forensic analysis
- Implemented an asynchronous SSH server and containerized deployment using Docker for safe isolation

TECHNICAL SKILLS

Languages: Rust, Go, Python, C, C++, TypeScript, Swift, Zig, JavaScript, SQL (PostgreSQL)

Frameworks: FastAPI, Next.js, Hono, NATS, Nest.js, React, Node.js, Drizzle ORM, Zod, Flask

Developer Tools: Docker, Kubernetes, AWS, Jenkins, Git, Grafana, Prometheus, VS Code, GitHub Actions

Libraries: WebRTC, WebSockets, Redis, OpenSSL, NumPy, Pandas, Pydantic, gin-gonic, gorilla/websocket