

# Aryan Kumar

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Backend Engineer with experience of building scalable microservices and high-performance APIs in Go, Node.js, and Rust. Architected platforms serving 22k+ DAUs, reduced API latency by 43%, and shipped hackathon-winning decentralized applications.

## Experience

**Backend Intern** December 2024 — April 2025

*Engineer's Cradle*

- Refactored monolithic architecture into a PUB/SUB microservices pipeline, slashing P95 API latency by 43%.
- Built a secure OAuth2-based authentication system with M2M + OIDC support, enabling scalable client integrations.
- Implemented a Meilisearch-based service with RabbitMQ for async handling and Golang proxy for access control.

**Creator** November 2022 — March 2023

*Check Valorant*

- Built and scaled a Valorant utility platform from scratch, growing to 22k DAUs and 2M+ monthly pageviews.
- Designed a high-performance serverless backend with AWS Lambda, DynamoDB, and Cloudflare WAF, achieving sub-200ms response times.
- Added features like passwordless auth and real-time notifications, maintaining uptime during viral growth spikes.

## Projects

**SoundPrint (ICP Hackathon Winner)**

- Built a decentralized NFT platform from Spotify data using Rust & Internet Identity, winning first place at the ICP Hackathon.
- Implemented secure Web3 authentication and blockchain-based asset storage on the Internet Computer Protocol.

**LPU WiFi Manager (llogin CLI)**

- Built a Rust CLI automating WiFi authentication for 1000+ users, reducing login friction significantly.
- Designed credential management with multi-account support.
- Open-source project with 25+ stars and 8+ contributors.

**DDNS (mlcommunity.dev)**

- Created a community DNS platform providing free subdomains with automated GitOps provisioning.
- Built IaaS system using JSON configuration for DNS records with Cloudflare integration.
- Managed full-stack product development and community adoption.

**TokenGate (OIDC Identity Provider)**

- Built a production-ready OIDC identity provider with OAuth2 compliance, and client management.

## Leadership Experience

**Web Lead** August 2023 — August 2024

*Google Developer Student Clubs - LPU*

- Led 15+ developers across 5+ projects, including an event management platform serving 1000+ students.
- Delivered 10+ technical workshops on APIs, cloud deployment, and web frameworks to 75+ attendees each.
- Managed cross-functional teams and technical mentorship programs.

## Awards & Certifications

**Awards:** Gold Medal - Operation Blackout CTF - 2025  
Gold Medal - ICP (SoundPrint Project) - 2025  
Silver Medal - Chakravayuh CTF - 2025

**Certifications:** Google Cybersecurity Specialization  
RedHat System Administration II

## Skills

**Languages:** TypeScript, Golang, Rust, Python

**Backend Frameworks / Libs:** Gin, Express, Hono

**Databases:** PostgreSQL, DynamoDB, Redis, MongoDB, Elasticsearch

**Tools & Platforms:** Docker, Postman, AWS, GCP, Cloudflare, Terraform, Kafka, RabbitMQ

**Concepts:** Microservices, OAuth2, OIDC, Web3 (Solana, ICP), CI/CD, System Design, Low-Level Design (LLD)