

Aryan Kumar

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LinkedIn

GitHub

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 IaaC 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 - Chakravyuh 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)