

# Fabian Ferno

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Versatile Full Stack Engineer with **6+ years of experience** designing, building, and shipping **production-grade, user-facing web applications and internal platforms** end to end. **Repeat ETHGlobal finalist (5+ times)** with deep experience in **Ethereum-native products, developer tooling, and scalable web infrastructure**. Proven track record of **rapidly prototyping and scaling systems used by thousands of developers and users**, from frontend UX to backend architecture and cloud deployment. **Product-driven engineer** who thrives in fast-moving teams and ships high-impact software, driven by a product mindset and a passion for building tools that enable developer communities and ecosystem growth.

## Skills

**Programming Languages:** JavaScript, Typescript, Python, Solidity, Java, Go, C#, C  
**Skills:** Engineering, Product Design, Community, Leadership  
**Software Engineering:** Rest APIs • DS&A • Test-driven development • System Design • Cloud Computing • MVC patterns • Agile development • SCRUM • SEO • Blockchain: Protocols, Smart Contracts, DeFi • Networking • Security • Cryptography • Distributed Systems • DevOps  
**Databases:** Postgres (w Prisma), MySQL, SQLServer, MongoDB, AWS (DB services), Neo4j, Redis, Cassandra  
**Technologies:** GCP, AWS, GraphQL, Airflow, Kafka, Nginx, ZeroMQ, Vercel  
**Spoken languages:** English, Tamil, Japanese (N5)

## Experience

**Co-founder & CTO, Cloka, India** June 2023 - Dec 2025

- Built and scaled a tech-enabled fitness platform connecting 8,000+ active users and 16,000+ growing community.
- Owned product, infra, and community tooling powering real-world events, tracking, and member engagement - powered by Vercel, Supabase and AWS Bedrock.
- Led to a tech-enabled fitness collective working with global brands like Starbucks, Red Bull, Zomato, Phoenix Marketcity (hosted India's first "Mallathon Series"), Supply6, Rainmatter, Aceblend, Swiggy, and many notable brands along with known cafés and gyms, to create immersive, lifestyle-driven experiences that blend fitness with community.

**Ungate AI, Dubai, UAE** May 2025 - Oct 2025

- Contributed to development of Wukong, the first actively validated AI service (AVS) on EigenLayer Mainnet securing \$5B+ TVR with 40+ operators. Designed provable execution for AI agents using TEEs + public proofs (EigenDA + Filecoin), enhancing trust and auditability in autonomous systems.
- Built Yappamon — a "Yap-to-Earn" protocol automating social engagement rewards using NEAR signatures and Shade Agents similar to Kaito
- Shipped my hackathon project (an on-chain agentic betting platform for creators on Twitch) to Base via Virtuals Protocol on their Genesis Launch which processed an all-time volume of \$9M working with notable streamers like AndySlaps.

**Lead Engineer, KarmaHQ, California, USA** Nov 2023 - April 2025

- Led development of the Grantee Accountability Protocol (GAP) — now adopted as a standard for evaluating grants across Gitcoin, Octant, Optimism, Celo, Scroll and various other public good organizations.
- Built reputation and governance tools that power the on-chain coordination layer for major ecosystems including Arbitrum, Polygon, Scroll, Aave, Nouns, ENS, Compound and a few other notable DAOs.
- Contributions to Gitcoin and Octant funding platforms, enabling impact tracking and milestone-based evaluation which was widely used by grantee to report their impact and track milestones.
- Delivered and contributed to products advancing DAO and grants infrastructure:
  - **Funding Map:** searchable grant discovery platform.
  - **Karma AI:** An agentic suite for auditing through data-driven grant assessments based on outcomes and measurable indicators.
  - **Delegate Dashboards:** analytics platform used to evaluate governance contributors.
  - **Sum Up:** A Chrome extension that summarizes DAO forum discussions and highlights active delegates actively used by delegates across Scroll, Arbitrum, ENS, Celo, EAS and Optimism.

**CTO & Co-founder, BlitzCraft (prev NFTconomy) Technologies Pvt Ltd, India** June 2022 - April 2024

- Led a 14-member team across product development, partnerships, developer relations, dev-ops, full stack & blockchain engineering.
- Developed a deep analytics dashboard for Adidas, Nike & Jump.Trade (GuardianLink) - Asia's largest NFT marketplace with market metrics, sales data, transaction trends, & over 150 different key metrics, outperforming platforms such as DappRadar & NFTGo thereby supporting consistent 100% sell-out for future NFT drops.
- Genesis Cohort at Foundership <> Polygon OxCamp Web3 Accelerator Program, gaining access to valuable resources, mentorship, VC pitches & support for startup growth. Served as a Community Partner for Web3Chennai, contributing to the local Web3 ecosystem and fostering stakeholder collaboration.
- Ranked Product #6 on launch day by ProductHunt, the #1 aggregator for all SaaS products globally.
- Built data aggregation pipelines for processing over 20 billion data points from multiple blockchain networks & sources bypassing rate-limited APIs with distributed systems using Kafka, MongoDB, and Go (Gin RESTful).
- Reduced infrastructure costs & latency incurred on public API requests by 95% through on-prem server clusters & a cache solution with using various in-memory stores and distributed systems to provide near real-time data.
- Designed a highly scalable public API & microservices for blockchain data & deep analytics using big data solutions & maintained public documentation versioning using Postman with tier-based pricing on on-chain token-gated RBAC using EVM smart contracts.'
- Incubated at IIT Madras, GuardianLink's Web3 Accelerator, a prestigious program for blockchain startups, & successfully raised \$175,000 in pre-seed capital to support the development & growth of the NFT aggregator platform.

**Founding Engineer, Dali, GigaDyne Technologies Pvt Ltd, India** Dec 2019 - Jun 2022

- Led a cross-functional engineering team of 10, overseeing product design, operations, engineering, & software architecture & systems design. Developed data mining algorithms, and built scraping and indexing flow for on-chain & off-chain community data - Reddit, Twitter, Discord and Google Trends.
- Developed an NFT & blockchain aggregator platform with statistical scoring algorithms & blockchain indexers, enabling data-driven insights using Postgres + ORM, AWS S3, Python Django (DRF), NextJS & Apache e-charts. Experimented with LSTM, & ARIMA models for ML-enabled analytics. Implemented A/B testing flows & usability tests with tools like Selenium, HotJar, & MS Clarity. Built a GraphQL API.

**Senior Software Engineer, JKS InfoTech Pvt Ltd, Dubai** May 2021 - June 2021

- Helped digitize over 400 subsidiaries for the Chettiar Chamber of Commerce by developing on-prem solutions - enterprise ERPs, payment gateways, CMS & a business directory.
- Architected and developed scalable web apps with ASP.net (MVC) using SQLServer & Azure Cloud with CI/CD.

**Software Engineering Intern, BlitzWork, Germany** Jan 2021 - Apr 2021

- Developed a booking reservation system, admin panels, & an ERP for Stretch Inc. UK using Python Flask, PHP, Stripe, and MySQL deployed on AWS services.
- Provided SLA support & AMC support for Gazeal UK & contributed to the documentation & provided technical support during the testing & deployment while collaborating with teams across the globe.

**Software Engineer, Freelance + Open Source** 2018-2022

- Freelancing software projects since 2019. Ran a professional services startup while in college, 'we-símera' to provide various software, app development, web automation & digital marketing services. Founded an active open-source software development community ([Pattarai](#)) with over 850 members during college.
- Designed a [FabLab](#) across 3600 sqft with 3D printers, CNC & Laser Cutting Machines in Licet, Chennai and conducted more than 40 workshops and provided mentoring for over 10,000 students.

## Highlights & Extras

- Started [stateless.cx](#) as a community hub for serious builders who want to go beyond weekend hacks — a mix of residencies, pop-up city energy, experiments, and a lot of shipping in public.
- Hit a record for most @[ETHGlobal](#) finalist titles in the year 2025.
- Shipped two other hackathon projects: [warpads.xyz](#), [tenorilabs.ai](#), [calendefi.xyz](#), (ETHGlobal winning project)

- Participated & won more than 90+ hackathons while exploring different blockchain networks (EVM, Solana, Near, Neo, Cosmos, Cardano) & development frameworks on Solidity, Rust, Go & AssemblyScript

Research Thesis

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- **"Decentralized IoT Security Gateway Platform"** - Paper published at the **International Journal of Engineering Research & Technology** - Volume 12, Issue 03 (doi: 10.17577/IJERTV12IS030227), presented at SeedBrains, **Cambridge Institute of Technology**, Bangalore, India.

Education

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- **Loyola ICAM College of Engineering & Technology, Chennai** - Bachelor of Technology in Information Technology Engineering - CGPA: 8.68 | Recipient of Dean's Citation - Licet Star Award 2023 for all-round excellence.
- **Don Bosco Mat. Hr. Sec. School, Egmore, Chennai** - GPA 3.74/4.
- **Google Professional Certifications:** System Admin & IT Infra, Project Management & SCRUM, Computer Networking, Technical Support, OS & Power User.

References

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- Dr. Caleb Chanthi R - Dean (IA), Hindustan Institute of Technology & Science - ([calebraj@yahoo.com](mailto:calebraj@yahoo.com))
- Mr. Richard Wang - CEO, RPS Labs, Canada - ([rich@rpslabs.io](mailto:rich@rpslabs.io))
- Mr. Arjun Reddy - Co-founder, GuardianLink, India ([arjun.subburaj@gmail.com](mailto:arjun.subburaj@gmail.com))
- Mr. Calvin Joji - Operations, ETHGlobal
- Mr. Patricio Worthalter - Founder, POAP