FABIAN FERNO
Full Stack Blockchain/Cloud Engineer

+91 8754-462-663
www.fabianferno.com
hello@fabianferno.com

@fabianferno
github.com/fabianferno

Versatile Full Stack Blockchain/Cloud Engineer with an extensive background in building SaaS products and the web3 space. Proficient in multiple programming languages and frameworks, while leading and collaborating with diverse teams. Committed to driving innovation and growth in the software development industry.

COMPETENCIES

Programming Languages: JavaScript, Python, Java, Solidity & C
Skills: Full stack engineering, DS&A, SaaS, Rest APIs, Test-driven development, Systems Design, MVC patterns, Agile development, SCRUM, Rapid product development, SEO Blockchain, NFTs, Smart Contracts, Networking & Security

EDUCATION

Loyola ICAM College of Engineering & Technology, Chennai
B.Tech in Information Technology Engineering (CGPA: 8.68)

Don Bosco Mat. Hr. Sec. School, Egmore, Chennai
SSLC (93.6%) & HSC (79%)

ACHIEVEMENTS

- Built a task distribution platform at the Effect Network Global Hackathon – in Nov 2021 & places 3rd overall ($2500 USD).
- Runners-up ($1500 USD) in Bharathverse National Hackathon, IIT Bombay, India – built a P2E trading card game.
- Participated & won more than 15 hackathons building various apps and collectively winning cash rewards amounting to $9000 USD.

KEY PROJECTS

- Developed an enterprise-grade ERP & business solution for Chettiar Chamber of Commerce. - ASP.net, SQL Server, Azure
- Developed a reservation system w/ admin panel for Sretch Inc, London – php, Flask, Stripe, TailwindCSS, MySQL, Digital Ocean.
- Built Blockchain analytics dashboard for NFTconomy – NextJS, ExpressJs, RabbitMQ, MongoDB – map&reduce, AWS, Redis

WORK EXPERIENCE

BlitzCraftHQ – NFTCONOMY Technologies Pvt Ltd
Co-founder and CTO

Chennai, India
June 2022 – Feb 2023

- Led a 23-member team across product, operations, marketing, engineering, and business development in a Web3 startup.
- Developed a deep analytics dashboard for Jump.Trade (GuardianLink) - Asia's Largest NFT marketplace with market metrics, sales data, & transactions trends.
- Part of the Foundership 0xCamp Web3 Accelerator Program, gaining access to valuable resources, mentorship, VC pitches and support for startup growth.
- Served as a Community Partner for Web3Chennai, contributing to the local Web3 ecosystem and fostering stakeholder collaboration.
- Built aggregation pipelines for processing more than 20 billion data points from multiple blockchains and data sources using MongoDB, RabbitMQ, Redis, NextJS
- Architected a highly scalable API platform and microservice architecture for blockchain data and deep analytics using big data solutions and distributed systems.

Dali – GigaDyne Technologies Pvt Ltd
Founding Lead Engineer

Chennai, India
Jan 2022 – Jun 2022

- Led a cross-functional engineering team of 10 members, overseeing product design, operations, engineering, and software architecture and systems design.
- Developed an NFT & blockchain analytics platform with statistical scoring algorithms and blockchain indexers, enabling data-driven insights using Postgres + ORM, AWS S3, NodeJS, NextJS & Apache e-charts. Experimented with LSTM, and ARIMA models for AI-enabled analytics. Implemented agile test-driven development.
- Incubated at IIT Madras, GuardianLink Web3 Accelerator, a prestigious program for blockchain startups, and successfully raised pre-seed funding of $250k to support the development and growth of the NFT analytics platform.

JKS InfoTech Pvt Ltd
Consulting Software Engineer

Chennai, India
Jan 2021 – Apr 2021

- Worked on ASP.net, SQLServer on MVC architecture patterns for enterprise ERPs, payment gateways, CMS & a business directory for Chettiar Chamber of Commerce.

HyperWork (Onfluence)
Software Engineering Intern

London, UK
Nov 2020 – Aug 2021

- Collaborated with a team of developers to design, develop, and deploy web applications, ensuring smooth functionality and user-friendly interfaces.
- Built booking reservation systems, admin panels, and ERP for Stretch Inc. UK using technologies such as Python Flask, PHP, Stripe, MySQL, and Digital Ocean.
- Provided SLA support for Gazeal UK; contributed to the development of documentation and provided technical support during the testing and deployment phases.

CO-CURRICULAR ACTIVITIES

Pattarai
Co-founder and Veteran

India
April 2020 – Present

- Co-founded "Pattarai", a leading technical talent pool in India, aimed at fostering an engineering community across colleges.
- Organized and conducted over 40 events, including mentorship programs for more than 35 projects in diverse domains such as IoT, Fabrication, Web3, and SDE.
- Led a tech community of 850+ members on Discord, creating a vibrant online platform for networking, learning, and collaboration.
- Conducted boot camps and national-level tech events with participation from over 500 participants, providing opportunities for skill development, knowledge sharing, and collaborations with industrial projects to offer development services and networking.

Fablab, LICET
Founding Committee

Chennai, India
Aug 2021 – Jun 2022

- Designed the Fablab to foster innovation and creativity among students, including prototyping and co-working spaces across 3600 sq ft,
- Spearheaded the development of the Fablab Booking App to streamline reservation processes and enhance user experience.
- Formulated policies, framework, and operational procedures and conducted orientations and training sessions for over 1000 students, educating them on the Fablab facilities, tools, and safety protocols.

Freelancing software projects since 2019. Ran a professional services startup while in college, 'we-simera' to provide various software development, SLAs & digital marketing activities to various high-profile clients like BestMoneyGold.com, ISHRAE and Innowell Engineering with a team of 5 across development and designing.

RESEARCH THESIS

- "Decentralized IoT Security Gateway Platform" – Paper published at the International Journal of Engineering Research and Technology – Volume 12, Issue 03 (**doi: 10.17577/IJERTV12IS030227**)
- Project Presented at SEEDBRAINS2.0, Cambridge Institute of Technology, Bangalore, India.