

# Faris Chtatou

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## Profile

Senior Software Engineer with strong experience building **scalable, production-grade systems** across backend, frontend, and cloud infrastructure. Proven track record in **TypeScript, Node.js, Go, and cloud-native architectures**, with hands-on ownership from system design to deployment. Founder-minded engineer with experience delivering **secure multi-tenant SaaS platforms**, contributing to **AI-driven products**, and operating in **high-collaboration Scrum environments**. Comfortable working end-to-end on complex systems with a strong focus on **reliability, correctness, and developer experience**.

## Professional Experience

### Software Engineer, Avicenne Studio, Paris

Sept 2022 — Present

*Avicenne Studio is a fast-growing Web3 and cloud services agency building production-grade platforms for startups and scale-ups.*

- Architected and owned **CI/CD pipelines**, staging and production environments across multiple projects using **GCP, Docker, GitHub Actions, and Terraform**. Designed scalable infrastructure foundations enabling rapid iteration and safe deployments for distributed teams. Acted as **technical lead / head engineer** on several projects, owning architecture decisions and delivery.
- Designed and implemented **microservice-based backends** focused on scalability, fault tolerance, and performance. Built **REST and GraphQL APIs**, integrating external services and blockchain systems. Conducted **code reviews, performance audits, and reliability improvements** across teams.
- Contributed to **Linea Hub**, a large-scale DApp built in collaboration with ConsenSys, supporting thousands of users. Worked on **Usual Money**, a DeFi platform managing a fast-growing stablecoin (> \$1B TVL at peak). Architected the backend of **Givepact**, a high-traffic donation platform, focusing on resilience and scalability. Contributed to **Lingol Island**, a social platform reaching **400k+ active users** and handling large-scale traffic and data distribution.

### Software Engineer, Freelance, Paris

Apr 2022 — Sept 2022

- Delivered **multiple production-grade software projects** for startups and entrepreneurs, generating **€25k+ in revenue**
- Worked directly with clients to **gather requirements, design system architectures, and define technical roadmaps**
- Designed, built, and deployed **backend services and cloud infrastructure**, with a focus on reliability, performance, and maintainability
- Owned projects **end-to-end**: system design, implementation, testing, deployment, and post-delivery support
- Earned transition to a **full-time engineering role at Avicenne Studio** following successful freelance engagements

### Software Engineer, DialOnce, Paris

Oct 2021 — Apr 2022

*B2B SaaS platform optimizing customer support journeys using AI-powered chatbots and smart channel routing*

- Developed and maintained **backend and frontend features** for a high-traffic customer engagement platform
- Contributed to an **early AI-powered customer support chatbot**, automating user journeys and reducing call-center load
- Resolved **50+ GitHub issues**, improving system stability, performance, and code quality
- Implemented **unit and end-to-end tests**, increasing reliability and deployment confidence
- Collaborated within a **12-engineer Scrum team**, participating in sprint planning, reviews, and cross-team delivery

## Projects

### Founder of Keyrua, Paris

Aug 2025 — Present

*Designed and built a **developer-first SaaS** for secure environment variable and secret management across teams and environments*

- Architected a **multi-tenant system** with fine-grained **RBAC**, audit logs, version history, and environment isolation
- Implemented **secure encryption and signing workflows** using cloud key management systems (KMS)
- Built **scalable backend services** and a **type-safe frontend** with a strong focus on reliability, correctness, and developer experience
- Integrated **authentication, organizations, and billing** for SaaS usage patterns
- Led end-to-end product development: system design, implementation, infrastructure, and production readiness

### Creator & Maintainer of DS (Go Data Structures Library), Paris

*Designed and implemented a **Go library providing reusable data structures** (e.g. stacks, queues, linked lists, trees, maps abstractions)*

- Focused on **clean APIs, performance, and idiomatic Go design**.
- Emphasized **algorithmic correctness, time/space complexity, and testability**.
- Built as a **learning and production-ready foundation** for Go developers working on backend and systems software.
- Maintained documentation and examples to support adoption and ease of use

## Education

### Efrei | Ecole française d'électronique et d'informatique, Paris

2018 — 2023

*Diplôme d'ingénieur (MS Equivalent) in Computer Science specialized in Software Engineering*

## Technical Skills

**Programming Languages:** Typescript, Golang, C++, SQL; **Backend Development:** Node.js, NestJS, REST APIs, Event-driven systems; **Frontend Development:** React, Next.js; **Databases:** PostgreSQL, Prisma, NoSQL; **Cloud & Distributed Systems:** Google Cloud Platform, Serverless Architectures; **Infrastructure As Code:** Terraform; **Containers & CI/CD:** Docker, CI & CD Pipelines; **System Design & Architecture:** Microservices, Scalability, Fault Tolerance

## Additional Information

Links: [GitHub](#), [Keyrua](#)

Languages: French, English, Arabic, Spanish