

# Ivan Stepanian

Graduated high school at 15, now a software engineer. A passionate problem solver, I strive to simplify, automate, help others, and create meaningful products.

## Experience

**Freelance, Ivan Stepanian E.I.** Since January 2024

Next.js/Supabase, Expo/RN, Python/Django, Web Scraping · Remote

- 10 missions completed with an average 5/5 rating, 100% satisfaction rate via Malt.fr
- Realized data analysis, full-stack development, and web scraping projects
- Developed a backoffice (Django), a dating app (Expo) and a marketplace (Next.js)

**Founder, CEO, Okampus (Student Societies SaaS)** May 2022 – January 2024

TypeScript, React, Next.js 14, NestJS, Tailwind, PWA, Kubernetes · EFREI, Part-Remote

- Created custom scraping tools for market studies & lead generation
- Managed a self-run business: legal, accounting, product design & architecture
- Launched a swipe-matching app to discover student societies (500+ impressions)
- Developed event, ticketing, accounting, member & grant management tools

**Course Creator, Datadidacte (Teaching SaaS)** March – June 2021

**Developer** June – September 2021

Python, Docker, React, Scala, Machine Learning, PHP · Remote

- Developed a Scala code executor, executing user code against expected tests
- Created programming course sequences to learn C, Python and Scala and Java
- Fixed major Docker RCE vulnerabilities caused by unsanitized user input

**Founder, Tutor, Developer, Horizon (Non-Profit)** April 2020 – September 2022

HTML, Sass, JavaScript, Vue3, Postgres, MikroORM · EFREI, Greater Paris, France

- Created an online platform helping 1500+ students with study and school life
- Founded and managed a 50+ members legal association with a 5K€ budget
- Personally gave 300h+ of teaching, tutoring and co-op coding

**Consulting Engineer, BNP Paribas International Banking** January 2019

Python, Excel, VBA · Greater Paris, France

- Performed an audit of workflows of the contract & reporting department
- Created a Python GUI solution to select Excel files and aggregate data
- Made a VBA script to fill Words from external data, saving 100s of man-hours

**Full-Stack Engineer, Télécom Paris (IT Department)** May 2018

Django, jQuery, MySQL, LDAP · Télécom Paris, Paris, France

- Developed and shipped a RFID card management interface with LDAP permissions
- Improved 5x the loading time of LDAP dashboards using Python best practices
- Managed an intern, organized brainstorming sessions and meetings

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Based in Paris, France

Open to work abroad or remote

## Skills

### Programming Languages

TypeScript, PL/pgSQL, Python, Scala, Bash, C, C++, Java, VBA

### Web Frameworks & Tools

Next.js 15 & React, Supabase/Postgres, Expo/React Native, Vercel, zod, AWS (EC2, Lambda, Beanstalk...), Tailwind3, Storybook, Kubernetes/Helm

### Big Data & ML

Docker, MongoDB, Apache Stack (Kafka, Pulsar, Hadoop, Hive, HBase, Spark...), pandas, pyplot, Tensorflow/Keras

### Best Practices

Functional programming, accessibility, SCRUM/Agile, internationalization, serverless, ensuring code style & quality

## Education

### EFREI Engineering School

Computer Science, Big Data & ML Major 2017 – 2022 · Greater Paris, France

- Developed a Covid attendance tool for the school using Discord & Excel
- Organized a student body for the year 2021 with a team of 60+ members
- Treasurer of the international society and the school journal
- Winner of the school's CyberNight 2021, participated in a national competition
- Two-time class president

### South East University (SEU)

2019 – 2020 · Nanjing, China

- Tutored students with English and Java
- Studied mandarin up to HSK2 level

## Interests

Product design & UI/UX, open source, cybersecurity (CTFs), geopolitics, macroeconomics, world history, philosophy, science & technology