Didier Krux

Web3 Developer

15+ years of experience in high traffic media, startups & web3.
Passionate about new technologies & music.

French, 38

twitter.com/didierkrux
linkedin.com/in/didierkrux
github.com/didierkrux
portfolio: didierkrux.com

Experience

Lead Dev | Co-Founder

Bankless Academy

Lisbon 📍 · Remote 🌎

May 2021 - Present

‣ Building a web3 educational public good platform to help people become more Bankless.

- automated web3 content pipeline by using Notion as a CMS
- gasless, sybil-resistant badge system leveraging Gitcoin Passport
- white-label web3 education platform
- lesson collaboration with 1inch, Optimism, Velodrome, Gitcoin, and Zerion
- multi-language pipeline via Crowdin
- custom interactive web3 quests (bridging, DEX swap, onchain vote, ...)
- SIWE (Sign In With Ethereum), ENS, EFP, Farcaster, UD, and Lens integration
- PWA (Progressive Web App) with guided setup
- Onchain indexer to track user progress across Academy lessons and external achievements
- Dynamic social media images for user profiles with personalized scores and achievements
- AI-powered assistant (Discord, Telegram, Twitter) that answers crypto related questions and links users to relevant lessons

React | TypeScript | Next.js | PostgreSQL | Chakra UI | ethers.js | Notion API | ENS | NFTs | AI

Level 2 Contributor

BanklessDAO

Remote 🌎

May 2021 - Nov 2023 · 2 years 7 months

Led the development of 4 different BanklessDAO season launch websites.
Participated in Education Guild & Dev Guild in the early days.

Tailwind CSS | three.js

Senior Software Engineer

Toasty (formerly, Juven)

Hong Kong 📍 · Remote 🌎

June 2019 - October 2020 · 1 year

‣ Video conferencing platform to run super interactive virtual meetings.

Admin panel & interactive videoconference Web App.
Setup & deployed dedicated Jitsi videoconference servers with live monitoring on AWS.
Writing technical specs, code review, UAT, mentoring junior developers & handling deployment.
Suggested & implemented major changes in backend structure to save time in development.
Improved the flow of the product to minimize time to value for customers.

‣ Business matchmaking platform using AI to match people.

Admin panel, meeting scheduler & Mobile Web App.
Developed a Serverless matching engine using NLP to calculate matching scores.

React | TypeScript | Redux-Saga | Node.js | WebSocket | Redis | PostgreSQL | Python | NLP
Material UI | styled-components | Mixpanel | Jitsi | Grafana | Nginx | AWS | Serveless

Software Engineer

Juven

Hong Kong 📍

Sept. 2018 - June 2019 · 10 months

‣ Event management, membership & online ticketing platform.

Admin panel, event discovery platform & ticket purchasing.
Deployed a dynamic image resizing architecture on AWS using Thumbor, Lambda Serverless & CloudFront that had a great impact on loading speed (up to 15x faster).
SEO optimization & custom dashboard for Google Analytics using Data Studio.
Constantly improving the UX/UI of the product.

React | Next.js | React Native | Redux | SEO | Node.js | MySQL | Knex.js | AWS

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Experience

Full Stack LAMP Developer

SdV Plurimedia

France 📍

Nov. 2008 - May 2017 · 9 years

‣ Top 10 French newspapers (Millions of daily visitors): LeParisien.fr, LePoint.fr, LesEchos.fr

Developed custom CMS & dynamic websites for the newspaper industry for almost 9 years. Learned to work in a large-scale infrastructure & follow high quality standards.

Backend: PHP | MySQL | Symfony framework | Laravel | SVN | Git | XML | CSV | cron | SSO | OAuth | Bash Scripting | ElasticSearch | Facebook API | Payment Gateways

Frontend: Javascript | JQuery | AJAX | HTML5 | CSS3 | Responsive Design | HTTPS | SEO

Web Developer Training

IRCAD - WeBSurg

France 📍

Sept. 2007 - Sept. 2008 · 1 year

‣ Leading international Medical Research Institute: IRCAD - WeBSurg

Website & internal tools development: geolocation map with Google Maps, email filtering & dynamic generation of seating course map.

PHP | HTML | CSS | Javascript | XML | CSV | Google API

Web Developer Internship

IP-Media

France 📍

April 2007 - August 2007 · 5 months

‣ Videoconferencing software

Admin panel & Jabber server web-interface.

PHP | HTML | CSS | Javascript | XML | SVN | Jabber

Projects

Web3 Developer

NewToWeb3

Remote 🌍

Oct 2024 - Nov 2024 · 2 mos

‣ Event designed to onboard newcomers to Ethereum through interactive, real-world experiences. Organized alongside OrnellaWeb3, I've built a custom PWA for the event in just six weeks as a side project.

- Simple, engaging UX/UI tailored for first-time Ethereum users.
- Multilingual support for accessibility and global reach.
- Seamless event onboarding, including program details, sponsors, planning, and social interactions.
- Fun, hands-on onchain quests such as acquiring your first crypto, minting a POAP & NFT, getting an ENS on Base, and swapping tokens.

Links: App | Technical Recap | GitHub repo | Event video | Event recap

Next.js | TypeScript | PWA | Ethereum | Web3 | Multilingual | UX/UI

Online Hackathon

Onchain Summer Challenge

Remote 🌍

June 2024

‣ Onboarding Challenge hackathon project for Base Onchain Summer Challenge.

Going onchain in less than 60 seconds via a Coinbase Smart Wallet.

React | TypeScript | Next.js | Coinbase Smart Wallet | Paymaster | NFTs

Hackathon

Peermatch

ETHGlobal Lisbon

May 2023

‣ Tinder-like app to find peers, co-founders, mentors or teams to hack with.

Winner: Optimism Silver (Decentralize Our Identities), Worldcoin Pool Prize, The Graph Pool Prize

AI | Lens Protocol | Optimism | EAS | The Graph | Worldcoin | Airstack

Projects

Founder - Developer

VG VirtualGames

Hong Kong 📍

April 2020

‣ Open source online gaming platform with built-in videoconference.

Side project based on Jitsi developed during COVID-19 to have fun with friends online.

Open Source | React | TypeScript | Jitsi

Product - Mobile Dev

CoinMarketNews

Hong Kong 📍

June 2018 · 3 weeks

‣ Cryptocurrency Tracking Mobile App for iOS & Android. Built this project in 3 weeks as a Capstone Project during a Coding Bootcamp.

App features: Price on over 1600 coins in multiple currencies, favorites tracking, coin price sorting, news with coin tagging, custom news/price alerts, simple UI, efficient UX & dark mode.
First experience of building a Mobile App from scratch. Designed the project from end to end: prototype, architecture, development, deployment & marketing page.

Node.js | PostgreSQL | scraping tools | cron | Docker | AWS | RESTful API | React Native | Native Base | OneSignal | Redux

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Product - Developer

Pieneer

Hong Kong 📍

May 2018 · 1 week

‣ Easy to use educational tool to interact with your audience during a presentation.

Product features: Create a dynamic slideshow. Live interaction during presentation with integrated drawing tool, Q&A & live polling charts using WebSocket. Mobile Web App to ask questions & vote.

UX/UI | Node.js | WebSocket | JQuery | Chart.js | Mobile Web App | Responsive Design

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Web Developer Volunteer

Go Find Your SELF

Remote 🌏

June 2017 - Sept. 2017 · 4 months

‣ Wordpress blog about personal development coaching.

Built this project from scratch in a fully remote environment for a friend: design, advising & development.

PHP | HTML | CSS | Wordpress | Fusion Builder | Responsive Design | MailChimp

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Web Developer Volunteer

WeBelong Foundation

Remote 🌏

Oct 2016 · 1 month

‣ International, cutting-edge platform for sustainable lifestyle & innovation.

Helped finalize the website before a major conference in China: transferred the website to a new hosting platform, fixed issues for desktop & mobile & improved loading speed by 10 times.

PHP | HTML | CSS | Wordpress | Responsive Design

Founder - Developer

Next Sound

France 📍

June 2010 - Present

‣ Personal project about electronic music news.

Custom made responsive admin panel & automatic music importation via API.

PHP | HTML | CSS | JQuery | AJAX | Wordpress | Bootstrap | Responsive Design | Cron | Youtube | Soundcloud | iTunes | Beatport | Shazam | UX/UI | Photoshop

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DJ - Developer

Digital Krux

France 📍

May 2007 - Present

‣ Personal DJ website based on Wordpress.

Synchronized RSS feed to iTunes Podcast.

PHP | HTML | CSS | Wordpress | RSS Feed | Photoshop

Education

Smart Contract Programming

Ivan on Tech Academy

Remote 🌐

2019

Programming Smart Contracts & building DApps on Ethereum, EOS & NEM. Use of Developer Tools. Deployment to Test Net & Main Net.

DApps | Smart Contracts | Ethereum | Solidity | web3.js | MetaMask | EOS | EOSIO.CDT
NEM | NEM-sdk

Blockchain Deep Fundamentals

Ivan on Tech Academy

Remote 🌐

2018

Benefits of using Blockchain, Cryptography, Bitcoin & Ethereum Basics, Scaling, Consensus Algorithms & Mining, UTXO Model, Tokens, ICO, Smart Contracts & Blockchain Use Cases.

Blockchain | Bitcoin | Ethereum | Smart Contracts

Full Time Immersive Coding Bootcamp

Accelerate

Hong Kong 📍

March 2018 - June 2018 · 4 months

Full Time 16-week Immersive Coding Bootcamp with 1000+ hours of learning how to build Modern Web & Mobile Applications.

Backend: Node.js | Express.js | Jasmine | WebSocket | PostgreSQL | Redis | Firebase | OAuth
Frontend: ReactJS | React Native (iOS & Android) | Typescript | Redux
Deployment: AWS EC2 | Docker | CI/CD with CircleCI | Google Play Store | Apple App Store

Institut Universitaire de Technologie Robert Schuman

Bachelor's Degree in Computer Science & Software, Distributed System Designer-Developer
France 📍 · 2008

Institut Universitaire de Technologie Robert Schuman

Associate Degree in Computer Science
France 📍 · 2007

Personal skills

‣ INFJ personality type (Advocate).

‣ Growth mindset, learning attitude & constant improving.

‣ Flexible, adaptive to new challenges & ready to take ownership.

‣ Very creative & likes to think outside-the-box.

‣ Good communicator & team player. Happy to learn from others or mentor junior team members.

‣ Attentive to details, passionate to build beautiful interfaces & user experience that spark joy 🙂✨

Languages

‣ Native in French

‣ Working proficiency in English

‣ Limited working proficiency in German

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