

NADHIR FERDJI

Software Engineer

📍 Algiers, Algeria

@ nadhirxz@gmail.com

🔗 nadhir.tech

🌐 nadhirxz

in nadhirxz

☎ +213 560671768

EXPERIENCE

Full Stack Web3 Developer | EarthMeta

📅 Feb 2023 – Oct 2023

- Created and integrated wallet connection (Metamask, WalletConnect and others) into the platform, enabling seamless and secure wallet connectivity for users.
- Enabled simple transactions using the wallet and developed the ability for users to trade virtual tokens in the marketplace.
- Implemented a secure and reliable data signing process by using ABI encoding and elliptic curves in PHP.
- Utilized Vue.js, Laravel, and Ethers to build scalable and efficient solutions for EarthMeta's Web3 platform.

Full Stack Developer | Sahla Solution

📅 Jun 2022 – Nov 2022

📍 Algiers, Algeria

- Built a scalable and reliable server utilizing Node.js and Socket.IO to facilitate communication between drivers and clients.
- Implemented a relay server to provide data from multiple Google Maps API and Open Street Maps-based services.
- Established a continuous integration and deployment pipeline.
- Utilized AWS services including EC2 instances and S3.
- Implemented security measures and encryption.

Full Stack Web3 Developer | Meta-Z

📅 Dec 2021 – Jun 2022

- Developed an accessible and responsive website using Next.js.
- Optimized website load times through code splitting and lazy loading techniques.
- Created and deployed smart-contracts on the blockchain network (ERC-20, ERC-721, ERC-1155).
- Built automation tools for user interaction on social media.
- Performed SEO optimization to improve website visibility.

Full Stack Developer | Wesselli

📅 Jun 2020 – Sep 2020

📍 Chlef, Algeria

- Constructed user-friendly, responsive interfaces for seamless experiences on all devices.
- Implemented and maintained a robust Node.js server for communication between drivers and clients.
- Managed infrastructure and implemented security measures.

Full Stack Developer | Freelance

📅 Dec 2017 – Nov 2019

- Developed and maintained websites and apps using various technologies such as React, Node.js, Electrons.js, etc.
- Created automation tools for social media and other tasks.
- Delivered tailored solutions to clients.

SKILLS

Programming Languages and Frameworks

- JavaScript, TypeScript, Python, Go, Haskell, C, Java, Solidity.
- React.js, Next.js, Webpack, Babel, Vite, esbuild, ES6+
- Node.js, Express.js, Socket.io, GraphQL
- Hardhat, Ethers.js

Web Development and DevOps

- Server-side Rendering (SSR), Static Site Generation (SSG), Incremental Static Regeneration (ISR)
- Search Engine Optimization (SEO).
- Test-driven Development: Jest, Chai, Mocha
- Performance Testing: Load testing, stress testing, and optimization strategies using k6
- MySQL, PostgreSQL, MongoDB, Redis, Firebase, Prisma, Mongoose, GORM
- Message Brokers (MQTT, RabbitMQ)
- CI/CD: GitHub Actions
- Amazon Web Services (AWS), Google Cloud Platform (GCP), Microsoft Azure, Heroku, DigitalOcean, Nginx, Docker

Project Management and Collaboration

- Agile methodologies and Scrum
- Communication and collaboration tools (Jira, Trello, Slack, Zoom, etc)
- Git, GitHub, GitLab, Bitbucket

Auth & Security

- OAuth, JSON Web Tokens (JWT), Two-factor Authentication (2FA).
- Cryptography and Security Techniques (SHA, BCrypt, AES, RSA, ECC, DH, OpenSSL, etc.)

EDUCATION

B.S. in Computer Science

University Of Science And Technology Houari Boumediene

📅 Sep 2021

CERTIFICATES

Google IT Automation with Python Specialization

Coursera

📅 Jul 2022

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