

Nadhir Ferdji

Full Stack Software Engineer

✉ nadhirxz@gmail.com | ☎ +213 560 67 17 68 | 🌐 nadhirxz | 📄 nadhirxz | ✖ nadhirxz

🔗 <https://nadhirxz.github.io>

Experience

Senior Software Engineer, Confidential – Türkiye / Qatar

Aug 2024 – July 2026

- Worked across software architecture, development, infrastructure, code reviews, and production, maintaining engineering standards and technical documentation.
- Built a scalable platform using TypeScript, React, Node.js, Express.js, PostgreSQL, Redis, and WebSockets, including real-time collaboration and state synchronization.
- Integrated online payment systems, blockchain payments, smart contracts, and an interactive chatbot for user-facing workflows.
- Developed automation and internal tooling, including GitLab CI/CD pipelines for automated testing, deployment, and production releases.
- Managed Linux infrastructure using Ansible, including monitoring, secrets management, security hardening, and production deployments.
- Performed functional, regression, automated, API, performance, and load testing using k6, while troubleshooting defects through log analysis, API responses, and database queries.

Software Engineer, Aplox – Algiers, Algeria

Sept 2023 – Aug 2024

- Worked on product development, software architecture, infrastructure, and production systems at an early-stage startup.
- Designed and maintained a Next.js application, GraphQL APIs, and microservices using Go, Express.js, and Fastify.
- Developed automation and internal tooling using Python, Selenium, and Puppeteer, alongside online payment integrations.
- Built CI/CD pipelines and automated deployment workflows while managing Linux infrastructure, monitoring, security, and reliability.
- Created test cases for critical workflows, regression testing, and feature validation while maintaining technical documentation and engineering standards.

Full Stack Web3 Developer, EarthMeta – Remote

Feb 2023 – Oct 2023

- Integrated Web3 functionality into Vue.js and Laravel applications, and developed backend services using Node.js, Express.js, and Socket.IO for real-time communication.
- Built blockchain transaction and marketplace features for virtual assets and tokens, including smart-contract interactions.
- Implemented secure transaction signing and cryptographic workflows using ABI encoding and elliptic-curve cryptography.

Full Stack Developer, Sahla Solution – Algiers, Algeria

June 2022 – Nov 2022

- Developed full-stack applications using Vue.js, Laravel, Node.js, and Express.js, including real-time services with Socket.IO.
- Developed a mapping and routing relay integrating Google Maps and OpenStreetMap services.
- Automated data extraction workflows involving HTML/DOM parsing, pagination, session management, and structured data processing.
- Set up CI/CD workflows, managed AWS infrastructure across EC2 and S3, and implemented application and infrastructure security measures.

Full Stack Developer, Meta-Z – Remote

Dec 2021 – June 2022

- Developed and maintained Next.js applications with a focus on frontend architecture, performance, and user experience.
- Designed, developed, and deployed Ethereum smart contracts following ERC-20, ERC-721, and ERC-1155 standards.
- Built Web3 integrations covering wallet connectivity, contract interactions, blockchain transactions, token transfers, and on-chain data.
- Developed automation tools and scripts while implementing technical SEO improvements to increase search visibility and organic traffic.

Full Stack Developer, Wesselli – Chlef, Algeria

June 2020 – Sept 2020

- Developed full-stack applications and a PWA using React, Node.js, and Express.js, with real-time features using Socket.IO.
- Integrated OpenStreetMap for mapping and routing, implemented online payments, and developed a lightweight Android application in Java.
- Managed deployments and application releases across web, PWA, and Android platforms.

Education

University of Science and Technology Houari Boumediene, Algiers, Algeria

Sept 2021

Bachelor's in Computer Science

Languages

English: Fluent | **Arabic:** Fluent | **French:** Professional Working Proficiency

Skills

Languages & Frameworks: JavaScript, TypeScript, Python, Go, PHP, Java, React.js, Vue.js, Next.js, Node.js, Express.js, NestJS, Fastify, Laravel, jQuery, Bootstrap, GraphQL, WebSockets, Socket.IO

Web & Data: REST APIs, GraphQL, SSR, SSG, ISR, PWA, SEO, Microservices, PostgreSQL, MySQL, MongoDB, Redis, Firebase, Prisma, Mongoose, RabbitMQ, Apache Kafka, MQTT, Google Maps API, OpenStreetMap

Web3 & Blockchain: Web3, Ethereum, Solidity, Ethers.js, Hardhat, Smart Contracts, ERC-20, ERC-721, ERC-1155, MetaMask, WalletConnect, Token & NFT Integration, Blockchain Transactions, Cryptographic Signing, ABI Encoding

Automation & Data Extraction: Bash, PowerShell, Python, Selenium, Puppeteer, Playwright, Browser Automation, HTTP Requests, HTML/DOM Parsing, BeautifulSoup, Scrapy, Requests, HTTPX, lxml, Cheerio, Headless Browsers, Data Extraction, JSON/CSV/XML Processing

QA & Testing: Quality Assurance, Test Planning, Functional Testing, Regression Testing, Integration Testing, End-to-End Testing, API Testing, Unit Testing, User Acceptance Testing, Security Testing, Test Automation, Performance Testing, TDD, Jest, Mocha, Chai, Playwright, Selenium, Postman, k6, Bug Tracking

DevOps & Infrastructure: Linux, Docker, Ansible, AWS, GCP, Azure, GitLab CI/CD, GitHub Actions, Jenkins, Nginx, Cloudflare, DNS, Load Balancing, OpenBao, Secrets Management, Monitoring & Observability

Security, AI & Collaboration: OAuth, JWT, 2FA, Cryptography, OpenSSL, AES, RSA, ECC, DH, BCrypt, Git, GitHub, GitLab, Bitbucket, GitHub Copilot, Claude, ChatGPT, Cursor, LLM Integration, Agile, Scrum, Jira

Certificates

Google IT Automation with Python Specialization – Coursera

July 2022

Credential ID: [LNN85URPK6XX](#)