Adam Leszczyński *Full-Stack Web3 Developer*

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📍 Toruń, Poland

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Profile

Self-taught software engineer with 6 years of expertise, a reliable team player with strong initiative, attention to detail, and the ability to rapidly master new technologies.

Professional Experience

Co-Founder, CTO   02/2025 – Present
PrintFlow ⬈   Poland

- **Architected and developed a comprehensive ERP platform** using Next.js 15 and PostgreSQL with Prisma.js, specifically designed for printing industry operations, managing end-to-end business processes from client acquisition to order fulfillment
- **Established multi-tenant architecture** with guided onboarding tours for new clients, enabling rapid user acquisition and quick iteration based on client feedback
- **Built robust client and machine management systems** with React Hook Form for form handling, enabling efficient tracking and maintenance of printing equipment, client relationships, and operational resources
- **Designed sophisticated product management module** with support for industry related components (like colors and materials), providing complete product lifecycle management
- **Implemented advanced order management system** with 4-stage workflow (new, printing, finishing, done) specifically adapted to printing industry production processes, utilizing Radix UI components for enhanced user experience
- **Developed intelligent material tracking and inventory system**, including automated store management for issuing materials, tracking waste production, and reclaiming leftover materials
- **Created comprehensive quality control features**, enabling reporting of broken components, color substitution tracking, and detailed audit trails with employee accountability and timestamp logging
- **Built dynamic quote generation system** with integrated calculator for pricing, margins, and costs based on print parameters, volume, and price multipliers
- **Engineered seamless workflow integration** using React Query for state management, allowing quote-to-order conversion through single modal interface without page refresh, connecting quotes with clients, products, and orders
- **Implemented document management system** for delivery notes using PDF-lib for document generation

- **Developed analytics dashboard** with employee performance tracking and efficiency metrics using Recharts, utilizing collected lifecycle data to provide actionable business insights through interactive charts
- **Implemented secure authentication system** using better-auth library for user authentication and session management
- **Designed custom role-based access control (RBAC) system** with granular permissions management, ensuring employees have minimal required access while maintaining operational security
- **Created real-time notification system** with email notifications via SendGrid and in-app notifications through polling mechanism, keeping users informed of critical platform events and status updates
- **Built responsive Progressive Web Application (PWA)** using Tailwind CSS and Radix UI components, enabling users to install and use the platform on smartphones like a native mobile application
- **Integrated Cloudflare R2 storage** for efficient image management and storage, ensuring reliable asset handling across the platform

Full-Stack Web3 Developer   04/2024 – 02/2025
Blessed ⬈   Remote
    Role Overview:
- **Served as lead developer overseeing Smart Contract architecture and API design decisions**, ensuring optimal system performance and scalability
- **Architected and built RESTful API platform** for NFT-based event ticketing using Nest.js
- **Worked on the dashboard panel** built in Next.js
- **Coordinated Smart Contract audit process** with auditor company CD Security, covering ~1900 lines of code, which ensured high security
- **Developed and deployed Smart Contracts** using Solidity, utilizing Foundry for scripts and tests, streamlining the further development process
- **Reinvented Smart Contracts logic for completely new language for me - Cairo**, in about 2 weeks, demonstrating rapid adaptability
- **Implemented meta-transactions (ERC-2771) and smart wallets (ERC-4337)** via Biconomy, enabling gasless experience for end users
- **Created custom Subgraph for Smart Contract analytics dashboard**, which reduced data fetching time by 70%
- **Developed embedded wallet solution** (Capsule), to provide a web2 experience for a web3 product
- **Integrated Zero-knowledge proof system using Reclaim protocol for Stripe payment verification**, which was key for the transparency system we were building
- **Built robust payment infrastructure with Stripe integration and webhook handling**, allowing non-crypto users to own NFT tickets
- **Worked on secure credential management system using 1Password Vault**, significantly enhancing users' sensitive data security
- **Designed and maintained API testing environment** with Insomnia, semi-automating our development process through scripting

Full-Stack Web3 Developer   05/2022 – 04/2024
license.rocks ⬈   Remote
    Role Overview:

- **Enhanced and maintained an NFT marketplace** built with Next.js, improving platform stability and user experience
- **Set up integration for fiat payment solutions** (Stripe, Secupay and Wert.io), responsible for about 80% of transactions
- **Developed and deployed Smart Contracts** for royalty management, enabling customers to benefit from NFT purchases and resales
- **Improved Smart Contracts** for NFT minting and auctions
- Built API endpoints and database architecture using PostgreSQL and Prisma
- **Implemented automated workflows** using Make.com for business process optimization, enabling customers to delegate some repetitive tasks
- **Incorporated Shopify app**, which allowed to send NFT to the user after purchase on Shopify store, seamlessly bridging e-commerce and NFT markets
- **Integrated Alchemy API** for tracking transactions on any Smart Contract, enabling users to import NFTs created outside of our platform
- **Created a comprehensive email notification system** for platform events, keeping end users up to date and improving user engagement
- **Designed and implemented usage-based plan restrictions and quota management system**, improving platform sustainability
- **Coordinated technical requirements with clients and API integrations with service providers**, ensuring smooth collaboration and meeting client needs effectively
- **Produced public API endpoints** and contributed to Storefront development
- **Set up and maintained public API testing environment** with Postman, facilitating customers in building their own Storefronts
- **Maintained component library in Storybook**, promoting UI consistency for the platform
- **Collaborated with QA engineer** to resolve issues
- **Transformed Figma designs** into functional, responsive modules, ensuring a seamless user experience across various devices and screen sizes

Web3 Developer   12/2021 – 05/2022
Fullstak sp. z o.o   Remote
   Role Overview:
- **Developed and deployed Smart Contracts** following ERC standards, ensuring secure and interoperable digital asset management
- **Engineered Web3-enabled applications** with MetaMask integration using Next.js and ethers.js, empowering users with direct blockchain interactions and seamless wallet connectivity
- **Contributed to the development of an NFT-focused social platform** built with Next.js, fostering community engagement through innovative NFT-based social features
- **Created custom React widgets** for seamless integration and enrichment of existing websites, enhancing website functionality while maintaining existing architecture integrity
- **Maintained and enhanced** a major gaming news portal built with Next.js, improving user experience and content delivery

Front-end Developer   08/2020 – 12/2021
Freelance   Remote/Toruń,
    Role Overview: Poland
- **Developed high-performance websites and landing pages** using Gatsby and Headless CMS solutions (DatoCMS, Sanity, Contentful), resulting in fast page load times and enhanced user experience
- **Enhanced existing WordPress platforms** through custom JavaScript and CSS implementations, which led to 20-40% higher conversions
- **Automated business processes** including email campaigns, CRM updates, and customer notifications using Make.com, streamlining operations and reducing manual workload by up to 70%

Front-end Developer   06/2019 – 08/2020
AppWorks ⤤   Toruń, Poland
    Role Overview:
- **Engineered high-performance websites** utilizing Gatsby framework and vanilla JavaScript, HTML, and CSS
- **Developed and maintained multiple WordPress websites and e-commerce stores** from scratch
- **Built and managed e-commerce platforms** using PrestaShop
- Contributed to UI/UX design processes and implementation
- Managed client relationships and gathered design requirements

Projects

Blessed (multiple projects) ⤤

NFT application ⤤
as a contributor in 2022
    Develop and improove front-end, integrated Twitter API, add logic to interact with MetaMask wallet extension

Client's website ⤤
created as a freelancer in 2020

Old personal website ⤤
2021

Client's website ⤤
created in the first job in 2019

Awards

Winner of 2 categories in Celestia Space Bazaar hackathon ⤤   06/2024
    as "Blessed" team

Languages

English ● ● ● ● ●   Español ● ○ ○ ○ ○