

# MATIJA OSREČKI

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## WORK EXPERIENCE

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### TheyDo

Frontend Engineer

Netherlands / remote

Jul 2024 – Present

- Delivered high-impact features end-to-end, focusing on polish, usability, and maintainable architecture
- Owned technical design from product requirements, shaping scope, leading refinement sessions, and guiding implementation; presented trade-offs to align engineering and product decisions
- Led design system efforts across teams, incorporating accessible, headless component primitives to ensure UI consistency and accelerate development workflows
- Contributed to a cross-team testing initiative focused on scalable setup, team enablement, and test coverage; authored unit, component, and E2E tests to reduce regressions and accelerate deployments
- Championed UX improvements in close collaboration with designers, focusing on small-but-impactful changes that collectively elevated the user experience
- Regularly reviewed code across all frontend teams, promoting best practices in maintainability, scalability, accessibility, and clean architecture to improve long-term quality and consistency

### Four of them LLC

Frontend Developer

Croatia & Germany / remote

Aug 2021 – Jun 2024

- Developed innovative e-commerce solutions in the pharmaceutical sector, impacting millions of users
- Implemented core functionality for platform reconstruction using Nuxt 3 and TypeScript, including authentication, API response caching, optimistic updates, and server-side rendering
- Led development of a custom component library leveraging Vue 3, Tailwind CSS and Storybook
- Revamped complex forms and dynamic scheduling features using Vue Composition API
- Refined UI/UX for key platform features, improving usability and visual clarity
- Shipped pharmacy apps for inventory and vaccine booking using Vue, TypeScript, and Vite
- Drove tech debt initiatives across core systems, refactoring for long-term maintainability and performance
- Mentored peers and regularly provided constructive feedback on code improvements

### Infokarta

Frontend Developer

Croatia / remote

May 2021 – Jul 2021

- Developed an interactive web GIS platform enabling local governments to visualize, analyze, and manage spatial data for urban planning, asset tracking, and public services
- Optimized complex SQL queries, significantly improving data processing speed and application performance

## SKILLS

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**Languages & Frameworks:** TypeScript, Vue, Nuxt, React, Node, Bun

**Libraries:** Tailwind, TanStack Query, Apollo GraphQL, Pinia, Zod, shadcn, Radix, Vitest, Playwright, Storybook

## AWARDS & ACHIEVEMENTS

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### Best Project & Best Design

TVZ MC2

2022

Won top honors at Croatia's leading student programming competition in mobile, web, and IoT development

## EDUCATION

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### Zagreb University of Applied Sciences • TVZ

Bachelor of Software Engineering

Croatia

2019 – 2023

- Competed at multiple student programming competitions
- Secured STEM scholarship in recognition of outstanding performance
- Thesis: Web Application for Personal Finance Management and Achieving Financial Independence
- Cumulative GPA: 4.75/5.00

## PROJECTS

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### Wordware

2024

- Sleek passphrase generator and wordlist manager
- Generates customizable, high-entropy Diceware passphrases with Web Crypto CSPRNG
- Performs detailed wordlist analysis for deduplication, entropy metrics and collision checks
- Built with Nuxt 3, TypeScript, Tailwind CSS and shadcn/ui, with Bun for scripting and code-gen

### Vue Ecosystem Snippets

2023

- VSCode snippets for the modern Vue ecosystem: 35 000+ installs, 5.00 star rating
- Endorsed by the Volar creator and Vue core team member
- 200+ snippets, latest Vue syntax, strategically placed tabstops, auto-generated documentation
- Built with TypeScript, Deno, VS Code API

### Fare

2022 – 2023

- Platform for managing personal finances and achieving financial independence
- Provides monthly historical views, dashboards for net worth, asset allocation, growth and FI-date projection
- Built a custom UI with Uno CSS, leveraged TanStack Query for caching, data synchronization and optimistic updates, utilized Nuxt server routes with Zod and Prisma for a robust API

### Qwiz

2022

- Led a team of three building a platform for pub-quiz creation, organization, and discovery
- Developed public and admin Next.js user interfaces backed by a React Query data layer and Mantine UI
- Implemented a Nest.js + Prisma API on PlanetScale MySQL with role-based access control

### Aimo

2021

- Award-winning social media web app connecting ambitious individuals with accountability partners
- Directed a three-person team, designed a Tailwind UI and shipped a Nuxt PWA with Firebase authentication, data storage and real-time notifications

## BITCOIN PROJECTS & EXPERIMENTS

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A collection of personal projects, prototypes, and experiments exploring the Bitcoin protocol and adjacent technologies like Cashu and the Lightning Network. Built to scratch personal itches, solve real problems, test ideas in the open, and curate useful resources—ranging from utilities to ongoing prototypes.

- **Tipbit** – Privacy-focused P2P tipping platform leveraging Lightning Network and Strike API
- **Nutlet** – Experimental web Cashu wallet focused on clean UX for anonymous payments
- **BitComplete** – App for generating a valid 24th BIP39 seed word to complete a mnemonic
- **Bitcoin Ticker** – Real-time Bitcoin price tracker pulling data from multiple exchanges via WebSockets
- **BIP39 Lookup** – Web BIP39 word lookup tool with multi-language support
- **xpub-derive** – CLI tool for deriving Bitcoin addresses from extended public keys
- **Polenta** – Wallet manager for organizing and tracking Bitcoin wallets by purpose and usage
- **BIP39 Wordlists** – Collection of BIP39 wordlists in various formats for practical use
- **Bitcoin Books** – Curated Notion database of Bitcoin books with rich metadata and reference links