

JOSIP TADIĆ

Full Stack Engineer

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PROFESSIONAL SUMMARY

Full Stack Engineer with 5+ years of experience delivering end-to-end web applications across modern **JavaScript** and **TypeScript** ecosystems. Co-led platform engineering as one of 2 core developers, sharing 100% ownership of full-stack architecture, daily client consulting, and product delivery. Implemented scalable, group-based tenant isolation in **PostgreSQL** and **MongoDB**, successfully consolidating 10+ enterprise client configurations into a single deployment to significantly reduce redundant hosting costs. Highly proficient in both backend **API** design and frontend UI development, including sole maintainership of a 30+ component **React** design system that reduced project setup time by 50%.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES2024+), C#, SQL, HTML5, CSS3 **Frontend:** React, Next.js (App Router), Angular, Three.js, Tailwind CSS, AnyChart, Redux Toolkit, Context API, Mobile-First Design **Backend & APIs:** Node.js, Express.js, .NET Core, GraphQL, RESTful APIs, WebSockets, OpenAPI/Swagger, Strongly Typed DTOs **Databases:** PostgreSQL (+ pgvector), MongoDB, MariaDB, MySQL, Multi-Tenant Group Data Architecture, Schema Design, Index Tuning **AI & Automation:** Azure OpenAI GPT, n8n Workflow Automation, RAG (Retrieval-Augmented Generation), Prompt Engineering, Schema Validation **DevOps & Tooling:** Docker, Git, CI/CD, npm, GitHub Actions, Vite, Webpack, Vercel, Netlify **Testing & Quality:** Jest, React Testing Library, Selenium IDE, Postman, Cross-Browser Testing, JIRA, Redmine **AI-Augmented Development:** Claude Code, Antigravity (Google), AI-Assisted Code Generation, Automated Test Authoring, Pre-Review Bug Detection

PROFESSIONAL EXPERIENCE

FULL STACK DEVELOPER — Chanalyze d.o.o / Tria d.o.o

08/2022 – 06/2026 · Čakovec / Remote, Croatia

- Co-led platform engineering as one of 2 core developers, sharing 100% ownership of full-stack architecture, weekly technical/UX client consulting sessions, and end-to-end feature delivery
- Took over 100% sole maintainership of the internal **React** component library, maintaining 30+ reusable, strongly typed **TypeScript** components and reducing new project bootstrap time by 50% across **ERP** and **CRM** platforms
- Architected and orchestrated production **LLM/AI** automation pipelines using **Azure OpenAI GPT** and **n8n** to parse dense medical-research data, eliminating manual processing bottlenecks
- Developed complex, interactive data-visualization dashboards using **AnyChart** and **React**, leveraging **Context API** and **Redux Toolkit** to translate medical datasets into filterable, actionable analytical insights
- Implemented group-based tenant isolation in **PostgreSQL** and **MongoDB** across the application, consolidating 10+ enterprise tenant configurations into a single deployment to significantly cut down redundant hosting costs

FRONTEND DEVELOPER - Valere Margins

01/2022 – 07/2022 · Zagreb / Remote, Croatia

- Built responsive, cross-browser user interfaces with **TypeScript** and **React**, driving seamless **API** integration and data consistency across the full stack
- Optimized 3D rendering and animation pipelines in **Three.js**, achieving a 50% page performance improvement through draw-call reduction, geometry optimization, and lazy loading
- Built complete frontend architecture for Ethereum blockchain features using **Ethers.js** and **React**, facilitating the minting of 8,000+ NFTs with secure wallet integration and backend transaction flows
- Implemented real-time state synchronization between Solana blockchain and **React** UI for a live web RPG, managing complex WebSocket data flows and optimistic UI patterns

JUNIOR SOFTWARE DEVELOPER — Uniline d.o.o.

07/2021 – 10/2021 · Pula / Remote, Croatia

- Implemented RESTful **APIs** with .NET Core (C#) adhering to OpenAPI/Swagger standards, **API** versioning, clear HTTP status codes, and strongly typed **C#** DTOs to enforce strict request/response boundary contracts
- Built feature-rich DataGrid interfaces in Angular/**TypeScript** with **DevExtreme**, implementing server-side paging, sorting, filtering, and grouping hooked to **REST** endpoints for large-dataset rendering
- Collaborated on database schema design and query optimization using **MariaDB** and **MySQL**

QA ENGINEER / TECHNICAL SUPPORT — Uniline d.o.o.

03/2019 – 07/2021 · Pula / Remote, Croatia

- Led manual and automated testing of enterprise **ERP** software, identifying, documenting, and triaging 100+ reproducible software bugs using **Selenium IDE** across 2 issue-tracking tools (**JIRA & Redmine**)
- Conducted systematic manual and automated cross-browser validation across all 4 major desktop and mobile browser engines
- Provided technical support for partner **API** integrations, utilizing Postman for **API** testing and troubleshooting connectivity, authentication, and data flows

PROJECTS

Independent Development & Workflow Optimization

- Applied mobile-first architectural patterns ensuring 100% responsive layout parity across devices, while optimizing **Core Web Vitals** (LCP, INP, CLS) through **Vite** build tuning and lazy loading
- Accelerated personal project delivery speed by ~30-60% by integrating AI coding assistants (**Claude Code, Antigravity**) into daily development for code generation, automated test case writing, and pre-review bug detection

spinalis-fiziostudio.hr — Freelance Business Website

- Independently designed, built, and deployed a responsive production business landing page for a physiotherapy studio using **HTML5**, **CSS3**, and **JavaScript** — handling full project lifecycle from requirements to **Vercel** deployment with custom domain
- Achieved 100% responsive layout parity and mobile-first SEO optimization

EDUCATION

Master of Information Technologies — Faculty of Informatics, Juraj Dobrila University of Pula 09/2019 – 09/2021 · Pula, Croatia

Bachelor of Information Technologies — Faculty of Informatics, Juraj Dobrila University of Pula 09/2015 – 06/2019 · Pula, Croatia

PUBLICATIONS & TECHNICAL WRITING

- "Mobile First Approach: Why Start Small" (2024) — Tria d.o.o. · Authored and published technical article on responsive architecture, performance, and SEO
- "Implementing Dark Theme in React Applications" (2023) — Tria d.o.o. · Authored and published technical article on theme switching, accessibility, and user experience
- "Geoinformation Systems and Cloud Computing" (2020) — PRINTING & DESIGN 2020 Conference · Co-authored 1 peer-reviewed research paper on GIS and cloud computing integration

LANGUAGES

Croatian (Native) · English (C1 — Professional Working Proficiency)