

Artur Myszkowski

Senior Software Engineer (Frontend Expertise & Full-Stack)

Warsaw, Poland

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Professional Summary

Results-driven Senior Software Engineer with over 8 years of experience specializing in the React ecosystem and full-stack development. Proven track record of leading successful projects to deliver high-performance applications, demonstrated by reducing application load times by over 85% and transforming complex business logic into high-quality products. Seeking to leverage expertise in front-end architecture and performance optimization in a hybrid or fully remote role.

Experience

Million Monkeys Software — Senior Software Engineer, Mar 2018 - Oct 2024, Warsaw, Poland

- Architected and led a 4-person team to build a browser-based, DuckDB-powered Business Intelligence tool, replacing a legacy ERP module and delivering a **10x performance increase** in bonus calculation processing.
- Engineered a high-performance WebGL/Three.js rendering engine for a network analysis toolkit, capable of visualizing and processing complex graphs with over **500,000 vertices**.
- Optimized the "London's Late-Night Food Delivery Service" platform by **reducing first-page load time from 6s to under 800ms** using WebSocket and Firebase, improving user experience for a service covering 99+ restaurants.
- Streamlined a real-estate platform's backend by refactoring its API, **reducing the number of endpoints from over 400 to 20** and significantly improving system performance and reliability.
- Mentored a group of 5 developers on best practices in front-end architecture and performance, resulting in measurably higher code quality and a reduction in production bugs.
- Led the full Software Development Lifecycle of the food delivery platform's React dashboard and React Native mobile app, managing the project using Agile methodologies to ensure timely delivery.
- Contributed to a 12-person distributed team building a forensic analysis application with Electron and React, implementing a customizable drag-and-drop interface for modular workflows.

Lekseek Polska — Junior Full-Stack Developer, Jun 2016 - Oct 2017, Warsaw, Poland

- Built and maintained features for a medical management platform using Python, Django, Vue.js, and PostgreSQL.
- Actively participated in code reviews and quality improvements within a 7-person team, contributing to the overall stability of the application.

Education

University of Warsaw — M.Sc. in Computer Science

Faculty of Mathematics, Computer Science and Mechanics, 2018 - 2020

University of Warsaw — B.Sc. in Computer Science

Faculty of Mathematics, Computer Science and Mechanics, 2014 - 2018

Technical Skills

- **Frontend Core:** React, Next.js, Vue.js, TypeScript, JavaScript, HTML5, CSS3, WebWorkers
- **State Management:** Redux, RxJS, Redux Saga, TanStack Query, React Hook Form, Immer
- **Styling:** Tailwind CSS, Framer Motion, Chakra UI, Styled Components
- **Graphics & Visualization:** WebGL, Three.js, React Three Fiber, D3.js
- **Build Tools & Low-level:** Vite, Webpack, Rollup, Electron, Hugo, Emscripten, WebAssembly
- **Mobile:** React Native, Expo, OpenGL ES
- **Backend:** Node.js, Express, Python, Django, Flask, C/C++, REST API, GraphQL
- **Databases:** PostgreSQL, SQLite, Firebase, DuckDB, Neo4j
- **DevOps & Cloud:** AWS, Google Cloud, Vercel, Netlify, Docker, CI/CD, Git
- **Projects Management:** Agile, Scrum, Kanban, Code Review, Documentation, Design Docs
- **Soft Skills:** Leadership, Client Communication, Problem-solving, Team Collaboration
- **Languages:** English Professional, Polish Native

Selected Projects & Open-Source

Network Centrality Toolkit — Million Monkeys Software, 2018 - 2020, [Demo](#)

Created WebGL-based rendering engine handling 500k+ graph vertices. Engine reused in Forensic Analysis System. Developed Cypher-like query interpreter for client-side graph analytics. Built a custom shader code obfuscator using Rollup.

igraph-community.js — Open-Source Library, 2020, [Code](#), [Paper](#)

Implemented community detection algorithms and compiled C/C++ to WebAssembly for near-native browser performance. Based on M.Sc. research that resulted in a **co-authored paper** submitted to ICDE and NeurIPS 2022. The library serves as a core analytics engine for Network Centrality Toolkit.

arturmyszkowski.pl — Personal Portfolio Website, 2025, [Demo](#), [Code](#)

Built with Next.js, React Three Fiber, Tailwind CSS, and Framer Motion to showcase professional experience, open-source work, and 3D visualizations.

americano-lang — Educational Project, 2018, [Code](#)

Monadic interpreter in Haskell for a C-like toy language with multi-type arrays and dictionaries.