Oleksandr Zadvornyi *Software Engineer*

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📇 Profile

Software Engineer with a strong focus on Web Development and Test Automation. Experienced in building responsive, scalable applications using React, TypeScript, and Node.js, and designing robust E2E testing frameworks with WebdriverIO. Combines engineering best practices with a background in data science to deliver clean, maintainable, and high-performance code.

🧠 Skills

Web Development
React, TypeScript, JavaScript, Node.js, Express, HTML5, CSS3, Tailwind CSS, Firebase, MongoDB

QA & Testing
WebdriverIO, Selenium, Mocha, Chai, Page Object Model, Cross-browser Testing, E2E Automation

Tools & DevOps
Git, Docker, Webpack, Figma, GitHub Actions

Data Science
Python, Pandas, Scikit-learn, PyTorch

📁 Projects

Fire Gallery ⧉
React, TypeScript, Firebase
- Engineered a modern image gallery application using React, TypeScript, and Tailwind CSS.
- Integrated Firebase Authentication for secure user login and Firestore for real-time data storage.
- Utilized Firebase Storage for efficient photo management and retrieval, ensuring high performance.

Dental Clinic Multi-Language Platform ⧉
HTML5, CSS3, JavaScript, Webpack
- Engineered a high-performance landing page with support for 5 languages using i18next library.
- Configured a Webpack pipeline to optimize assets, ensuring fast load times and clean architecture.
- Implemented responsive design and smooth animations tailored for the best user experience.

E2E Test Automation Framework ⧉
JavaScript, WebdriverIO, Mocha
- Architected an automated testing framework for SauceDemo using WebdriverIO and Mocha, adhering to the Page Object Model (POM) design pattern.
- Implemented modular components and tests scenarios to ensure scalability and ease of maintenance.
- Configured cross-browser capabilities to verify application stability across different environments.

🎓 Education

09/2024 – 12/2025 Ternopil, Ukraine	**Master of Science in Software Engineering** Ternopil Ivan Puluj National Technical University ⧉
09/2020 – 07/2024 Ternopil, Ukraine	**Bachelor of Science in Software Engineering** Ternopil Ivan Puluj National Technical University ⧉

🌐 Languages

Ukrainian — Native/Bilingual

English — Upper-Intermediate (B2)