Marcel Olszewski

CONTACT
INFORMATION

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Website: https://olsz.me

EDUCATION

Seneca Polytechnic, Toronto, ON

Bachelor of Technology, Software Development   **Jan 2011 – Jul 2013**

York University, Toronto, ON

Bachelor of Engineering, Software Engineering   **Jan 2010 – Jul 2011**

Largely self-educated web developer with backgrounds in software development and engineering. Expert generalist known for turning ambiguous ideas into clean, performant UIs.

PROFESSIONAL
EXPERIENCE

CTO & Founder, browsertest.ai

Artificial Intelligence & Automation   **Sep 2024 – Present**

Developed an agentic QA automation tool catering to non-technical and time-constrained developers for effortless creation of self-healing test suites. Implemented project management strategies across the company for efficiency and alignment. Optimized DevOps pipelines to cut expenses and improve workflow efficiency. Led and managed development tasks for an international team.

Senior Software Engineer, Valery.ca

AI-Powered Real Estate Platform   **May 2024 – May 2025**

Developed and deployed a real estate AI chatbot using Next.js, PostgreSQL, Pinecone, and Airtable with design crafted in Figma. Built conversational AI using RAG system with real-time market data integration for the Canadian market. Specialized in healthcare projects by integrating EHR and platforms.

Senior Software Developer, Stratosphere.digital

Fintech, Healthcare, B2C   **Dec 2021 – Jan 2024**

Designed and implemented various browser and mobile applications for leading healthcare organizations. Developed a Web3 NFT Social Network using Dfinity's Internet Computer Protocol, creating smart contracts in Motoko and building a custom NFT marketplace with React. Collaborated with diverse clients including driveway.app, steeprockinc.com, vitalsphere.digital, and signupmedia.com.

Senior Full Stack Developer, Compound Planning

Fintech   **Sep 2019 – Dec 2019**

Developed user onboarding system using React and TypeScript. Created initial designs and prototypes in Sketch & InvisionApp, which were then implemented as functional components. Streamlined stock options process for employees.

Co-Founder, Supaglobal.com

Fintech   **Jun 2018 – Sep 2019**

Created personalized real estate investment options for various investor profiles. Developed the AI stack using Java and implemented the frontend with Vue.js. Led technical decision-making processes, developed demos for stakeholders, and ensured data contract security.

Senior Full Stack Developer, ConsenSys

Cryptocurrency   **Apr 2018 – Dec 2018**

Worked primarily on the frontend and design of the Project Numia stablecoin exchange which is now PayTrie. Built out RESTful API using Node.js with fastify.js & knex.js. API testing with supertest. Built mobile responsive frontend with various API integrations such as Plaid for payments.

Co-Founder, Daily Coding Problem (Acquired)

Education   **Sep 2017 – Mar 2018**

Designed and implemented a personalized computer science question and solution mailing list. Led development of a free daily coding problem subscription service with premium options. Achieved rapid growth from $0 to $8k Monthly Recurring Revenue (MRR) in just two months. Reached #2 on Product Hunt.

Senior Full Stack Developer, Breadwallet (Acquired)

Cryptocurrency   **Aug 2016 – Jun 2017**

Developed a secure iOS bitcoin wallet app with integrated exchange functionality. Built a bitcoin exchange using internal proxy API to securely communicate with Kraken's API in Golang. Integrated exchange directly into wallet app to streamline buying and selling bitcoin for users. Acquired by Coinbase.

Technical Systems Analyst, RBC

Fintech   **Jan 2013 – Apr 2014**

Designed and implemented user interface for RBC Express Mobile Business Banking app using jQuery Mobile and Phonegap on various devices including Android 4.0+, all iPhone and iPad models, and Blackberry devices. Developed internal tools like CSS Optimizer and HTML5 Code Integrator to enhance code integration.

OSS
PROJECTS

OpenXR Recenter Override

See `https://github.com/rublev/openxr-recenter`

Developed an OpenXR API layer for VR position override and cockpit alignment. Intercepts `xrLocateViews()` and `xrLocateSpace()` calls to apply saved positional adjustments across VR sessions. Features quaternion-based pose transformations, multi-space coordinate system handling, DirectX overlay rendering for visual markers, and comprehensive input handling. Compatible with OpenXR runtimes including SteamVR, Oculus, and Windows Mixed Reality.

NOTABLE
PROJECTS

Browsertest.ai

Built an agentic QA automation tool for non-developers to streamline E2E testing that turns natural language into replayable test steps against a live browser session. The system supports both manual and AI-driven test flows and is designed to make E2E testing of modern web apps fast, visual, and intuitive. Features include embedded real-time 60fps interactive browser, component definition for reuse, test scheduling, and real-time script generation for Playwright, Puppeteer, Nightwatch, and Cypress.

Daily Coding Problem (Acquired)

Built and launched dailycodingproblem.com, a subscription-based platform that delivers one high-quality computer science interview question per day to users' inboxes covering key topics like algorithms and data structures. Achieved rapid growth from $0 to $8k Monthly Recurring Revenue (MRR) in just two months by providing an alternative approach to persistent LeetCode-style challenges. Reached #2 on Product Hunt.

CLIENTS

Through Stratosphere.digital: Driveway.app, Secureframe, SignupMedia, Ways2Well, Vitalsphere, Steeprock OLA
Select Clients: Valery.ca, ConsenSys, Knit People, BRD/Breadwallet (Acquired), Keyhole, NorthernBlock, VeriTransfer, SimpleTax (Acquired), Interad, Redstamp, RBC Royal Bank

PROGRAMMING
EXPERIENCE

Expert: AWS, JavaScript, TypeScript, Node.js, Vue.js, React, Svelte, HTMX, WebGL, Docker, API Design, PostgreSQL, Natural Language Processing, LLM, AI Agent, UI/UX Design, Full Stack Development
Proficient: C++17, OpenXR API, DirectX 11, Quaternion Mathematics, Windows API, Python, React Native, Ruby on Rails, A/B Testing, Firebase, Google Cloud, Serverless, Webpack, Adobe Suite

LANGUAGES

Fluent: English, Polish
Learning: German, Ukrainian