ARTEM MURZO

Software Engineer

757-663-1175 @murzotom@rocketmail.com Reston, VA

PROFESSIONAL SUMMARY

Software Engineer specializing in building and modernizing scalable web and mobile applications, primarily in React and React Native. Strong focus on frontend architecture, performance optimization, and enterprise-grade UI systems. Proven track record of reducing technical debt, improving application performance, and delivering workflow improvements for large-scale products. Experienced in using AI-assisted development tools to accelerate refactoring, debugging, and feature delivery, applying generative and agentic patterns in real-world engineering workflows.

TECHNICAL SKILLS

Front-End Technologies: HTML5, CSS3, SCSS, JavaScript (ES6+), TypeScript, Tailwind CSS, NativeWind, jQuery, Dojo.js, JSONForms, PWA (Progressive Web Apps)
Front-End Frameworks & Libraries: React.js, Next.js, React Native, Expo
State management: React Context API, Recoil, Zustand, Jotai
Component Libraries & Data Visualization: Material UI, D3.js, Recharts, Chart.js, Google Maps API, OpenStreetMap API, Leaflet
Back-End & Databases: Node.js, Express.js, MongoDB, Appwrite, Firebase, Apollo Server, GraphQL, RESTful APIs (consumption & integration)
Design & Prototyping: Figma (UI mockups, component design, handoff with designers)
DevOps, CI/CD & Hosting: Git (GitHub/Gitea), TFS, CI/CD workflows, Vercel
Architecture & Patterns: Modular Architecture, Reusable Components, Responsive Design, Accessibility (a11y), Lazy Loading, AI-assisted workflows (generative vs. agentic patterns)
Development Tools: Visual Studio Code, Cursor, GitHub Copilot, ChatGPT, Claude, Gemini, Webpack, Metro, Vite, Babel, Android Studio, MyEclipse,
Testing: Jest, React Testing Library, Storybook

WORK HISTORY

Software Engineer **Sep 2020 - Present**
Pantheon Inc. Reston, VA

- **Drove core feature architecture and delivery** for **Odyssey Studio**, leading the transition from a legacy system to a scalable no-code platform adopted by **30+ client organizations**.
- **Owned frontend architecture decisions** and implemented targeted performance strategies (lazy loading, code splitting, rendering optimizations), contributing to a measured **25% reduction in page load times**.
- **Co-led the frontend modernization** initiative alongside the tech lead, taking primary ownership of architectural refactoring of a large monolithic codebase (multi-thousand-line modules), introducing a feature-focused structure, decomposing complex components into reusable subcomponents, and isolating business logic into dedicated utility layers to improve maintainability and scalability.
- **Architected and delivered** a hybrid mobile application using **React Native** and **WebView**, embedding a **Progressive Web App** (**PWA**) to support offline functionality and shared business logic, while implementing secure QR-based authorization flows across **iOS** and **Android**.
- **Built** the frontend foundation for an **AI-assisted code generation tool**, enabling dynamic, conversational creation of configurable UI components within the no-code ecosystem.
- **Partnered** with product, QA, and client stakeholders; led technical walkthroughs and training sessions to align system capabilities with business requirements.

Computer Engineer **Sep 2013 - Nov 2014**
Computer Information Center The Baikonur Cosmodrome, Kazakhstan

- **Developed and optimized 5+ math-intensive applications** for real-time rocket telemetry calculations using Delphi and C++.
- **Enhanced existing telemetry software** by implementing advanced algorithms for trajectory analysis and flight data processing.
- **Collaborated with senior engineers** to document technical processes and create troubleshooting guides.
- **Analyzed the network** on a regular basis and resolved problems when they occurred.

EDUCATION

Sep 2009 - Jul 2014
Master of Applied Mathematics
Moscow Aviation Institute, Russia

May 2015 - May 2019
Computer Science (Postgraduate Studies)
Tidewater Community College, Virginia Beach

FIND ME ONLINE

LinkedIn
linkedin.com/in/artemmurzo

Personal Website
earthddx.github.io/personal

GitHub
github.com/earthddx