ABIGAIL RICTOR
FULL STACK ENGINEER and CREATIVE MIND

(720) 315-4159
amrictor@gmail.com

github.com/amrictor
linkedin.com/in/amrictor
amrictor.com

COMPUTING SKILLS, TOOLS, & STRENGTHS

- *Typescript, JavaScript*, *HTML*, *CSS*, *JSS, SASS*
- *React*, *Redux.js*, *Redux-Saga*, *React-Query*
- Frontend development with a focus on accessibility, responsiveness, and performance at scale
- Complex and customized data visualization using tools like *D3*, *Material UI X*, and *Chart.js*
- Product design, requirements gathering, and priority-focused decision making
- *Node.js*, *Python*, *C#*, *Java*
- RESTful API architecture and microservice design
- Relational and non-relational database management and access with *SQL*, *MongoDB*, *GraphQL*
- Automated testing design principles and experience in *Jest*, *React Testing Library*, *Enzyme*, *Cypress*
- System administration and CI/CD automation using cloud services and on-premise servers

EXPERIENCE

Senior Frontend Software Engineer - *U.S. Bank*, Remote   **July 2023 - Present**

- Collaborates asynchronously with international engineering teams to integrate business expense management software with existing financial systems, with high attention to security and compliance requirements
- Guides architectural direction for frontend codebases by leading design discussions, developing and presenting proofs of concept for far-reaching changes, and producing detailed technical documentation
- Implements complex features from *Figma* prototypes and works closely with product and design teams to identify undefined requirements and give product-informed feedback on engineering needs
- Serves as a subject-matter expert on key feature areas and delivers in-depth knowledge transfer sessions on internal application architecture, cross-product integrations, and third-party tools and libraries.
- Identifies and implements automation opportunities in internal tools to boost cross-functional productivity
- Advises on API controller and service design and provides supplemental support to backend engineers
- Provides empathetic mentorship and onboarding support to new hires and junior developers

Freelance Engineer and Artist - Fort Collins, CO   **November 2022 - July 2023**

- Constructed and developed for an enclosed Raspberry Pi system and peripherals to be used in a local escape room to synchronize room behavior with audio and environmental effects
- Illustrated and fabricated puzzles, jewelry, and other trinkets using a laser cutter and vector graphics software

Senior Frontend Software Engineer - *Kovacs Systems*, Denver, CO   **April 2020 - November 2022**

- Led UX design and development for a *Node.js* and *React* based CRM (Ringy) in a fast-paced startup environment, improving results for thousands of sales agents through automated marketing tactics
- Migrated *React* across three major versions, maintaining and refactoring legacy class components
- Piloted migration effort to move state management and side-effect logic from *Redux-Saga* to *React-Query*
- Recorded, evaluated, and responded to analytics on application use patterns as well as first-hand accounts from clients and support staff, constantly enhancing user experience based on real world data
- Collaborated with CTO and lead engineers on major application design decisions to determine code standards, plan features and refactoring efforts, and map out new microservice interactions
- Designed and implemented user experience for new and innovative products and features; independently produced client side of a video conferencing application (Scopey) for integration with primary product

PROJECTS

- *Raspberry Pi, Python, Flask, SQLite, React:* IoT-based environmental monitoring and automation system for terrarium temperature and humidity control
- *React, Java, Websockets:* Browser-based multiplayer board games and party games with custom logic engines and real-time state synchronization
- *React, JavaScript, Node.js, Express:* Music quiz using Spotify and Genius APIs to test memory for lyrics
- *React Native, Node.js, MongoDB:* Mobile app for mentorship coordination with user enrollment, role-based communication, and scheduling features
- *React, TypeScript:* Tool for credential storage, MFA token retrieval, and form autofill to streamline account switching in development and test environments
- *JavaScript, Canvas:* Procedural animation simulating tidal motion with dynamic wave properties

EDUCATION
Bachelor of Science in Computer Science, *Colorado State University*