# DEVON HILLS

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Software Engineer with 7+ years of experience specializing in React, TypeScript, and modern JavaScript development. Expert in building responsive, accessible user interfaces for high-traffic applications serving millions of users. Proven track record in production support, UI/UX optimization, and full-stack development with strong CI/CD expertise in healthcare and government technology solutions.

## SKILLS

- <u>Frontend Development</u>: React, TypeScript, JavaScript, HTML5, CSS3, Redux, Responsive Design, UI/UX Development, Modern JavaScript (ES6+), Single Page Applications (SPA)
- <u>Testing & Quality</u>: Playwright, React Testing Library, Automated Testing, Accessibility Testing (axe-core), WCAG/Section 508 Compliance, Cross-browser Testing
- <u>Backend & Full-Stack</u>: Ruby on Rails, Node.js, RESTful APIs, PostgreSQL, Server-side Development, Database Management
- <u>DevOps & Tools</u>: Git, Jenkins, CI/CD Pipelines, AWS, Build Automation, Production Deployment, Docker, Automated Testing Infrastructure
- <u>Development Practices</u>: Agile/SCRUM, Test-Driven Development, Code Reviews, Technical Documentation, Performance Optimization, Security Best Practices

## EXPERIENCE

### *Ad Hoc LLC, Remote • Software Engineer III*                                        *Nov. 2021 – Present*

- Built and maintained React/TypeScript applications for HealthCare.gov health plan enrollment workflows, serving millions of users during high-traffic enrollment periods
- Redesigned health plan comparison cards using choice architecture principles based on customer feedback and UX research, helping users navigate complex health plan information and improving enrollment completion rates
- Designed and implemented Redux-based state management for dynamic filtering and comparison features, optimizing user experience and application performance under high loads
- Participated in on-call rotation shifts using PagerDuty for 24/7 production support, responding to critical incidents and maintaining system reliability during peak enrollment periods
- Developed comprehensive accessibility testing infrastructure using axe-core and maintained WCAG/Section 508 compliance for government healthcare applications serving vulnerable populations
- Diagnosed and resolved critical frontend bugs affecting health plan enrollment workflows, ensuring minimal downtime during peak open enrollment periods
- Built automated testing suites with Playwright and React Testing Library, including end-to-end user workflow validation and accessibility testing
- Executed complex backend Ruby logic for Medicare eligibility rules and coverage transitions, managing data integrity for user enrollment states and plan selections
- Maintained and optimized Jenkins CI/CD pipelines with AWS cloud infrastructure, led Ruby version and critical gem upgrades, and ensured stable production deployments
- Collaborated with UX researchers, policy experts, and support staff to identify user friction points and implement technical solutions that improved user experience
- Led technical documentation efforts, established coding standards and best practices that improved team velocity and reduced onboarding time

***Raytheon Technologies, Tewksbury, MA • Software Engineer*** *Jul. 2018 - Nov. 2021*

- Architected and maintained mission-critical software components using C++, conducting systematic debugging and root cause analysis for complex technical issues
- Led technical documentation initiatives and mentored junior developers, establishing coding standards that improved team productivity and code quality
- Collaborated in cross-functional Agile/SCRUM teams to deliver high-performance applications on schedule while maintaining quality standards
- Acquired a DoD Secret clearance for job duties

## EDUCATION

***University of Massachusetts Lowell, Lowell MA • BS Computer Science*** *May 2017*

- *Graduated cum laude*
- *Achieved Dean's List recognition multiple years*