Forrest Morrisey

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SOFTWARE ENGINEER

Platform engineer with unique background bridging design systems theory and implementation. Former STEM educator who taught 1,000+ students annually and created design curriculum—now applies that same systems thinking to developer experience, CI/CD optimization, and building infrastructure that engineering teams depend on. 5 years building frontend-focused features in regulated environments, with strong focus on accessibility, performance, and making complex workflows intuitive.

TECHNICAL SKILLS

Frontend: Angular, React, TypeScript, JavaScript (ES6+), HTML5, CSS3, SCSS, RxJS, responsive design, accessibility
Testing & DevOps: Cypress, Jest, Karma, Jasmine, Cucumber Gherkin, Jenkins, Docker, Git, CI/CD pipelines, Cloudflare
Backend & APIs: Node.js, Express, REST APIs, RabbitMQ, Swagger, Postman, Python, C# .NET, Bash, MongoDB, SQL
Tools & Processes: Figma, Grafana, Agile/Scrum, Confluence, Rally, performance optimization, automation, localization

EXPERIENCE

GE HealthCare — Software Engineer Waukesha, WI (Hybrid) **April 2024 - October 2025**

Core UI engineer on the platform publicly launched as SIGNA One — GE HealthCare's next-generation AI-powered MRI workflow system (RSNA 2025, 510(k) pending). Angular on microservices architecture, deployed on dedicated Linux workstations controlling MRI scanner operations.

- Feature owner for research and service tools; partnered with UX, Product, and Research for end-to-end delivery
- Launched "Research / Service Mode," rebranding features to clarify value proposition for research users directly supporting the clinical-to-research flexibility now publicly marketed as a core SIGNA One capability
- Onboarded 4 developers as UI POC; led architecture and workflow sessions, standardized CI/CD testing patterns
- Cut a critical Jenkins pipeline by 57% (70m → 30 m) via Docker parallelization; shared solution across projects
- Improved application load times by 35% through refactoring, ESbuild optimization, and performance profiling on constrained workstation hardware with long deployment lifecycles
- Established 4 complex frontend feature projects (Docker + Cypress + CI setup) to speed up feature starts
- Piloted and evaluated AI-tools (GitHub Copilot, TabNine), then led team onboarding and adoption
- Improved design transfer process between UX Design and Engineering teams company-wide

GE HealthCare — Software Engineering Specialist (Remote) **January 2022 - March 2024**

Contributed to the migration from the legacy LX platform (20+ year old MRI operating system) to modern microservices architecture, during the foundational phase of what later launched publicly as SIGNA One

- Implemented real-time data visualization tool for monitoring and displaying time-sensitive patient metrics
- Contributed to legacy application modernization initiative toward modular component structure
- Built integration automation tools that cut manual work 95%, saving each developer one week annually
- Finalist in company innovation competition for proposing company-wide localization framework to reduce costs
- Created mock data generation and translation validation workflows to accelerate development

GE HealthCare — User Interface Developer (Contract-to-Hire) (Remote) **June 2021 — December 2021**

- Promoted to full-time within 6 months based on delivery quality and team contributions
- Delivered early-stage UI features using Angular, TypeScript, and SCSS; collaborated with backend engineers to integrate RESTful APIs and RabbitMQ with robust error handling for production medical device software

SeventySeven LLC — Jr. Web Developer Milwaukee, WI (Remote) **March 2021 - May 2021**

- Supported web development and maintenance for enterprise clients including Lilly, Abbvie, Chevrolet, Everbrite, and EcoLab; built responsive web components and resolved cross-browser compatibility issues across client projects

STEM and Design Educator — Discovery World & Notre Dame School of Milwaukee **2017 - 2020**

- Created and delivered design curriculum for print and digital media at Discovery World; skills in teaching visual systems, information hierarchy, and design thinking directly applied to implementing production design systems and improving developer documentation
- Delivered hands-on STEM workshops for 1,000+ students annually; led Girls Who Code program teaching Python, logic, and engineering fundamentals to underrepresented learners at Notre Dame School of Milwaukee
- Built experimentation-focused curriculum and problem-solving frameworks; skills directly applied to mentoring junior engineers, improving onboarding processes, and writing technical documentation
- Part of the Discovery World education team that received 2019 Friends of Education Award from Wisconsin Department of Public Instruction for team contributions to STEM education

EDUCATION

Full-Stack Software Development Certificate – devCodeCamp, Milwaukee, WI
Bachelors of Arts (BA) in Anthropology, University of Wisconsin–Milwaukee
Associates of Arts and Science (AAS), University of Wisconsin–Waukesha
Coursework in Information Technology & Graphic Design, Rochester Institute of Technology

SIDE PROJECTS

Rainier Homelab: Enterprise-grade self-hosted development and production infrastructure featuring 24TB RAIDZ1 storage array and mirrored NVMe cache for high availability, UPS-backed power management, containerized services (Docker), PiHole private DNS with ad-blocking, Prometheus/Grafana monitoring stack, Cloudflare Tunnel for secure external access, Minecraft (all work and no play right?), and AI/ML experimentation environment. Hosts production applications with self-hosted automated CI/CD pipelines. Learn more at www.RainierServer.com

Spoker v2: Full-stack e-commerce application built with Angular frontend, Node.js + Express backend, MongoDB database, and Swagger API documentation. Containerized with Docker and deployed to production on Rainier homelab infrastructure with zero exposed ports using Cloudflare Tunnel, Caddy reverse proxy, and self-hosted GitHub Actions runners. Comprehensive testing with Cypress, Jest, Karma, and Cucumber. Live at spoker-app.rainierserver.com

PROFESSIONAL DEVELOPMENT

Health and Safety Training, Summit Exercises and Training
Inclusion & Unconscious Bias Training, MRA - The Management Association
Reflecting on Practice, Lawrence Hall of Science, UC Berkeley
Leadership Training, University of Wisconsin-Milwaukee