

# Elizabeth Clohosey RT(R)(M)

## Software Developer | Radiology Informatics | Versatile Professional

### Professional Summary

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Full stack developer with hands-on experience building workflow-driven systems for healthcare operations. Adept at translating complex real-world processes into scalable digital solutions. Proven ability to independently deliver full-lifecycle applications or collaborate within cross-functional teams to meet regulatory, operational, and user experience goals. Seeking opportunities to apply my systems thinking, development skills, and healthcare domain expertise in automation, workflow optimization, process control, or software development.

### Technical Skills & Core Competencies

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**Languages / Frameworks:** JavaScript, React/Redux, Node.js, Nest.js, HTML5, CSS3

**Database & API:** MongoDB, REST APIs, SQL

**Tools:** Git, Postman, PowerPoint, Jira, NPM

**Core Competencies:**

- Workflow Optimization & System Automation
- Full-Stack Application Development & System Integration
- Product Planning & Requirements Gathering (Use Cases, User Stories)
- Modular Architecture, Scalable Design and System Integration
- Software Lifecycle, Agile Methodologies, and Technical Documentation
- UI/UX Design Principles & Implementation
- Testing, Validation, and Deployment (Jest, Selenium)
- Cross-Functional Collaboration & Communication
- Medical Imaging & Software Integration (DICOM, PACS, RIS, EMR/EHR)
- Multi-Modality Imaging Expertise (Radiography, Fluoroscopy, Mammography, Breast Biopsy, CT scan, OR Procedures, Bone Densitometry)
- Detail-Oriented, Critical Thinker, Tenacious, Self-Motivated
- Strong & Resilient Work Ethic
- Rapid Learning & Technical Adaptability
- Microsoft Office Suite (PowerPoint, Word, Excel)

### Professional Experience

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**Full-Stack Developer / Systems Automation Engineer**

SembraCare • Raleigh, NC • February 2020 – December 2024

- Delivered 3+ end-to-end software systems supporting healthcare operations, automating processes for patient intake, hiring, and regulatory audits, impacting over 250+ home health agencies.
- Led requirements gathering and translated stakeholder goals into technical specs, achieving 100% feature delivery across all sprints under agile methodologies.
- Spearheaded development of reusable UI libraries, resulting in a 45% reduction in frontend development time across multiple apps.
- Integrated authentication, authorization, and role-based access control (RBAC) into all applications to ensure secure, compliant user experiences.
- Developed API-driven platforms and automated PDF workflows to handle 1,000+ patient care audits while meeting state-level documentation requirements.

**Key Projects:**

• **Onboarding Application for Billing Services (Home Healthcare)**

Full-Stack Developer | Technologies: PowerPoint, HTML, CSS, JavaScript, React, Node.js, MongoDB

- Automated the client intake process for home health billing services, replacing a fragmented paper/email workflow.
- Reduced onboarding time by ~60% by guiding admins through a multi-step digital flow with real-time validation and data persistence.

- Designed user-friendly, responsive UI and connected frontend to a backend that handled data validation, persistence, and updates.

- **Job Application Portal for Healthcare Workers**

*Full-Stack Developer*

Technologies: PowerPoint, HTML, CSS, JavaScript, React, Node.js, MongoDB

- Streamlined healthcare hiring by digitizing application forms, document uploads, and progress tracking.
- Reduced manual data entry and application processing time by ~50% for HR teams.

- **Reusable Component Library & UI System**

Frontend Engineer/PM

Technologies: React, CSS, NPM

- Spearheaded the development of a reusable component system to unify frontend design across multiple healthcare applications; reduced duplicated code by over 50%.
- Built and published custom NPM packages and CSS libraries to accelerate cross-team development.
- Acted as sole developer and project manager for scoping, design, development, and integration.

- **Task Review & Auditing System**

Full-Stack Developer

Technologies: Node.js, REST APIs, pdf-lib, pdfkit

- Built a scalable, API-driven system that enabled 1,000+ patient care audits across 250+ home healthcare clients, fulfilling regulatory requirements.
- Collaborated with design and operations teams to translate workflows into a digital platform aligned with state compliance standards.
- Designed and implemented features enabling nurses to review assessments from current date to [x] previous days, ensuring accurate client care reviews.
- Solely responsible for the development of the platform including backend logic, frontend interfaces, and automated PDF workflows.

## Medical Imaging Technologist

Various Healthcare Facilities

Modalities: Radiography, Fluoroscopy, Mammography, Breast Biopsy, CT scan, OR Procedures, Bone Densitometry

- Led Mammography QA/QC programs, including hardware/software testing, image acquisition under MQSA/FDA standards, and successful MQSA inspections/ACR accreditation.
- Trained and mentored new technologists while supporting cross-modality imaging, troubleshooting, and interdisciplinary diagnostic workflows across care settings.
- Hands-on experience with DICOM-based systems and PACS/RIS/EHR software.
- Clinical expertise informs healthcare-focused software development, additional clinical details available upon request.

## Education

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### Full-Stack Coding Program, University of North Carolina

Completed intensive bootcamp in front-end and back-end development, mastering React, Node.js, and Agile methodologies to build dynamic web applications.

### Mercy Medical Center School of Radiography

Completed comprehensive radiologic technologist program, gaining skills in imaging workflows, patient care, and regulatory standards, enabling transition to healthcare product development.