

Elizabeth Clohosey RT(R)(M)

Software Developer | Radiology Informatics | Versatile Professional

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Professional Summary

ARRT-certified radiologic technologist with expertise in radiology workflows and full-stack development for homecare workflow automation. Skilled in analyzing clinical and operational workflows, developing user-centered applications, and providing training and support for PACS/RIS. Leverages API-driven solutions and radiology experience to optimize healthcare processes, with a focus on cross-functional collaboration and user adoption.

Technical Skills & Core Competencies

- **Full-Stack Development** – Building scalable applications with React, Node.js, MongoDB, Express.js
- **API Development & Integration** – Designing and implementing RESTful APIs for third-party vendor solutions
- **UI/UX Design** – Creating user-focused, responsive web interfaces for usability and performance
- **Data Analysis & SQL Reporting** – Developing custom reports for actionable insights
- **Radiology Systems Expertise** – Configuring and optimizing PACS, RIS, DICOM, MIS, EMR, HER
- **Medical Imaging Technology** – Expertise in X-ray, Mammography, CT, Fluoroscopy, Bone Densitometry
- **Regulatory Compliance** – FDA, MQSA, ACR Standards
- **Requirements Gathering & Documentation** – Crafting user stories, specifications, workflows
- **Problem Solving & Critical Thinking** – Root cause analysis and proactive issue resolution
- **Cross-Functional Collaboration** – Bridging technical and clinical teams for project success
- **Customer-Centric Communication** – Adaptable approach tailored to varied healthcare stakeholders
- **Change Management Support** – Guiding users through transition and adoption of new solutions
- **Mentorship & Team Support** – Knowledge sharing and support of junior team members

Development Experience

Full-Stack Developer

SembraCare | Raleigh, NC | February 2023 – December 2024

- Designed and delivered 3+ end-to-end applications to automate homecare workflows, analyzing current-state processes and implementing optimized solutions for 250+ clients.
- Authored user stories and technical documentation, collaborating with engineering and QA teams to integrate third-party APIs, streamlining data processes.
- Developed a task review system with API-driven PDF generation, incorporating task dates and patient data, enabling efficient care plan audits for 1,000+ patients.
- Conducted A/B testing and gathered stakeholder feedback to refine homecare application workflows, aligning with operational best practices.

Frontend Developer

SembraCare | Raleigh, NC | February 2020 – February 2023

- Led the creation of reusable component libraries and UI systems, driving design consistency and reducing development time by approximately 20 – 30%.
- Developed and tested responsive, accessible interfaces, integrating third-party APIs to enhance application functionality and user engagement.
- Collaborated with product teams to document requirements and refine interface designs based on stakeholder feedback.

Key Projects

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/Full-Stack Product Manager

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

- Contributed to a scalable, API-driven system by developing a RESTful API and MongoDB database, supporting state-required task reviews for 1,000+ patient visit records across 250+ home healthcare clients.
- Translated workflows into a compliant digital platform through cross-team collaboration, ensuring state standards were met.
- Designed and implemented features enabling nurses to review tasks from the current date up to 90 previous days, with dynamic configuration allowing for custom time windows based on evolving operational needs, ensuring accurate client care reviews.

HealthCare Experience

Senior/Lead Mammography and Radiologic Technologist

Various Medical Facilities January 2003 – November 2019

- Executed high-quality imaging across modalities including Mammography, Breast Biopsy, X-ray, CT scan, Fluoroscopy, and Bone Densitometry
- Mentored junior mammography technologists through training on positioning techniques and PACS/RIS software use, enhancing team proficiency and patient care quality.
- Successfully rebuilt and optimized QA/QC programs ensuring accurate documentation of equipment testing, maintenance logs, and technologist credentials to maintain MQSA compliance.
- Collaborated with physicians and radiologists to prepare for inspections and served as a liaison to management, resulting in successful MQSA inspections and ACR accreditations.
- Delivered support to radiologists on PACS/RIS system use, troubleshooting workflow issues and providing insights that later informed homecare application development.

Education

Full-Stack Coding Program

University of North Carolina

Completed an intensive bootcamp focused on full-stack development. Gained hands-on experience with React, Node.js, Express, MongoDB, and Agile methodologies to build and deploy dynamic web applications.

Radiologic Technology Program

Mercy Medical Center School of Radiography

Completed a comprehensive program in medical imaging and healthcare operations. Developed expertise in clinical workflows, patient data handling, and regulatory compliance, supporting a strong foundation for building healthcare-focused software solutions.