

# Josh Liford

LinkedIn: [www.linkedin.com/in/joshua-liford/](https://www.linkedin.com/in/joshua-liford/) | GitHub: [www.github.com/joshliford](https://www.github.com/joshliford) | Portfolio: <https://joshliford.github.io/>

## SUMMARY

I bring systematic problem-solving skills and experience supporting complex systems, developed through roles in emergency nursing and informatics. Through LaunchCode and work as an Applications Developer, I've developed proficiency in React and JavaScript building frontend applications, and I'm expanding into backend development with Java, Spring Boot, and MySQL. I'm seeking opportunities in collaborative development environments where I can contribute to meaningful projects while continuing to deepen my technical expertise.

## LANGUAGES | FRAMEWORKS | TOOLS

JavaScript/TypeScript, Java, MySQL, HTML, CSS | React, Next.js, Spring Boot, TailwindCSS, Shadcn | Git, npm, Node.js, GitHub Copilot, Jira, Spec-Kit, Postman, Docker, Azure DevOps

## PROJECT EXPERIENCE

### Amplify — LaunchCode Capstone Project — [Live Demo](#)

- Developed and deployed to Netlify Amplify, a gamified guitar learning application featuring progression tracking, interactive lessons, and practice management to provide a structured learning experience
- **XP/Progression System:** Built an XP and leveling system with dynamic reward calculations, progress tracking, and level-based title/icon rewards using JavaScript functions and state management
- **Modal/Lesson System:** Designed conditional rendering logic for lesson, chord, and scale modals with completion tracking to prevent XP exploitation through state-controlled button disabling
- **Practice Timer:** Implemented practice session timer with duration goals and XP rewards, managing session state and completion validation
- **Tech Stack:** React, JavaScript, TailwindCSS, Shadcn, HeadlessUI

## WORK EXPERIENCE

### Applications Developer — Mercy Hospital

September 2025 - Present

- Rebuilt and modernized a legacy enterprise application using spec-driven development with Spec-Kit, TypeScript, Next.js, TypeORM, and OAuth2/MSAL authentication, implementing modern security and type safety features for an internal medical payment plan system
- Design and develop custom AI agents and skills for cross-functional teams, collaborating with developers and product owners to gather requirements and engineer specialized instructions through the team's DSE CLI
- Engineer prompts for FastMCP server integration, creating reusable AI interaction patterns that enable team-wide access to specialized capabilities
- Evaluate AI coding assistants across multiple models (Claude Opus, Claude Sonnet, GPT, Gemini) for specific development tasks including overall software quality assessment, general coding capabilities, and test creation, providing recommendations to development teams organization-wide
- Manage concurrent development initiatives across enterprise modernization, AI solution delivery, and tool evaluation in an Agile environment

### Senior Informatics Analyst — Mercy Hospital

September 2022 - September 2025

- Resolved technical issues across Epic EHR and 15+ integrated healthcare technologies (mobile devices, clinical applications, etc.) for 300+ clinicians, maintaining 95% first-contact resolution
- Identified and escalated high-priority technical issues to appropriate teams and vendor support, managing communication between clinical staff and technical teams to accelerate resolutions
- Created and maintained technical documentation and training materials for clinical staff, reducing repeat support requests by 20% through proactive knowledge sharing

## EDUCATION

**LaunchCode**, Full-Stack Software Development, 2026

**University of Missouri - St. Louis**, Bachelor of Science in Nursing (RN-BSN), Nursing