

# Amy Collins

SOFTWARE ENGINEER + SENIOR DESIGNER

📞 251.454.1107

🌐 www.amycollins.tech

✉️ AmyLCollins@gmail.com

🏠 New Orleans, LA

## SKILLS

### // TECHNICAL

- JavaScript (including ES6+, React)
- Elixir + Phoenix + PostgreSQL
- PHP + MySQL
- HTML5 + CSS3
- WordPress
- Adobe Creative Suite
- Figma
- Git

### // PERSONAL

- Thought Leadership
- Critical Thinking
- Strategic Planning
- Creative Troubleshooting
- Adaptability
- Clear Communication

## EDUCATION

### FULL SAIL UNIVERSITY – 2004

Associate Degree in Digital Media & Communication

## ABOUT ME

I am an experienced Software Engineer and Senior Designer with over 20 years of creating innovative, user-focused solutions. I love working with cutting-edge technologies like Elixir, Phoenix LiveView, and React, and I'm passionate about bridging the gap between design and development. Usability, scalability, and best practices are at the heart of everything I do, and I'm always excited to share my knowledge, mentor others, and contribute to the development community.

## PROFESSIONAL EXPERIENCE

2024 | Ampirical

NOW | SOFTWARE ENGINEER III

TECH STACK React, Typescript, Django, PostgreSQL, Javascript

- Contributed to the **development and integration of a groundbreaking web application using React with TypeScript and Django**, pushing the boundaries of the power industry by addressing previously unsolved challenges faced by electrical engineers and drafters.
- **Designed an innovative, practical solution** that streamlines workflows and accelerates repeated tasks, enabling electrical engineers to work 8–10 times faster than before.

2021 | Revelry Labs

2024 | FRONT-END DEVELOPER + SENIOR DESIGNER

TECH STACK Elixir, Phoenix, PostgreSQL, Javascript, PHP

- **Spearheaded cross-departmental collaboration** by serving role of both designer and engineer, helping bridge communication and project execution between the two departments.
- **Championed the adoption of TailwindCSS and utility-first CSS frameworks** within the development team, aligning with industry trends to enhance project scalability and maintainability.
- **Utilized Phoenix LiveView to develop dynamic, real-time user interfaces**, leveraging its powerful capabilities to enhance user experience with instant updates and interactive content. This approach not only improved engagement but also optimized server performance and scalability, showcasing the adaptability and robustness of our web applications.
- **Designed streamlined wireframes and detailed high-fidelity mockups**, balancing sharp technical skills with a keen sense of design, which led to an increase in user engagement and an uplift in conversion rates.
- **Led comprehensive user testing initiatives, applying a methodical approach to solve intricate user experience challenges.** This strategic effort enhanced product usability and user satisfaction, contributing to the refinement of key features and interfaces.
- Leveraged the capabilities of LLMs to help build a RAG app, **using AI to pioneer intelligent automation** that streamlined operational workflows and decision-making processes.

2006 | Dogwood Productions

2021 | FULL-STACK WEB DEVELOPER

TECH STACK PHP, MySQL, Javascript, ReactJS

September 2013–August 2021

- **Architected and engineered a powerful quoting engine for a commercial lawnmowing company** with sophisticated pricing algorithms, boosting quote generation by five times and significantly increasing the accuracy of sales quotes and frequency of customer conversions.
- **Conceived and executed user interface design** with an emphasis on elegance and simplicity, managing complex datasets with intuitive navigation.
- Exercised strategic planning and critical thinking in **project management via GitHub**, ensuring clear communication, agile response to feedback, and adherence to project timelines.
- **Fostered robust communication** with project stakeholders, ensuring alignment on requirements and a shared vision for project success.

March 2006–August 2013

- Led the design and development of a **diverse range of websites and apps** for a variety of sectors, including luxury accommodations, restaurants, public institutions, and educational organizations, showcasing versatility and a commitment to industry-leading practices.