Sebastian Civarolo

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About

I am a full-stack software developer with five years of development experience, who previously worked in design for eight years. With my background I bring creative problem solving, a meticulous attention to detail, and a passion for building rich user experiences. I enjoy exploring new technologies and finding new ways to solve problems.

Education

NASHVILLE SOFTWARE SCHOOL
Full Stack Software Development
Javascript, Python
October 2018–April 2019

UNIVERSITY OF HOUSTON
BFA Graphic Communications
2007–2011

Technology

C#/.NET
Javascript
Typescript
React
SQL
Entity Framework
Azure DevOps
Azure Functions
Python
Webpack
Vite

Experience

APPLICATION DEVELOPER TEAM LEAD AUGUST 2022–PRESENT
PRIME Health Services, Franklin, TN

- Lead and mentor a team of three developers that maintains and continuously improves a medical bill review application and its supporting services. Project highlights include:
    - Development of a new accounting system with highly-customizable rate structures that calculates the fees related to any services applied to a client's medical bills and generates PDF invoices.
    - Architecting a process for running background jobs utilizing queue-triggered Azure Functions with real-time progress updates in the UI.
- Foster a collaborative environment with my team through pair programming and constructive feedback during code review to improve problem-solving skills, develop the ability to diagnose and troubleshoot issues, and teach programming concepts.
- Work closely with stakeholders and compliance and implementation teams to plan new features and ensure both legislative requirements and user needs are being met.

APPLICATION DEVELOPER APRIL 2019–AUGUST 2022
PRIME Health Services, Franklin, TN

- Pushed for the modernization of the company's frontend applications—advocated for the use of React and Typescript to enable dynamic user experiences with complex interactions while improving the developer experience and maintainability of the source code. Put in place the tooling for compiling/publishing these React applications using Webpack and Vite.
- Created a library of React components, hooks, and helper functions that became the basis for all new UI development and established a familiar interface across all applications. The library has a documentation site built with Storybook and includes a suite of unit tests using Jest with React Testing Library.
- Rebuilt two client-facing applications from the ground up as React-based single page applications powered by .NET backends: a client portal and a flagship bill review platform that processes thousands of medical bills monthly.
- Implemented a strategy for writing reliable repository unit tests utilizing a SQL database running in a Docker container with pre-defined seed data that can be reset between test runs. This also enabled isolated development on a local machine, preventing disruptions to the development database used by other team members.

GRAPHIC DESIGNER + WEB DEVELOPER 2011–2018
CORE Design Studio, Houston, TX

- Website planning, design, and development for non-profits and small businesses. Self-taught PHP, HTML, SCSS, and Javascript to deliver over 15 custom Wordpress sites.
- Concept planning, design, production of physical and interactive exhibits for museums, including touchscreen interactives built with Javascript for an educational water museum.
- Branding/Identity design, event collateral, magazines, art books, posters, signage systems and environmental graphic design with a strong emphasis on typography.