Isaac Carnes

Software Engineer

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Portfolio: isaacjcarnes.github.io/ij-portfolio/

   Results-driven software engineer with experience in developing, maintaining, and supporting software solutions both independently and within collaborative teams. Skilled in analyzing user requirements, implementing new features, and modifying existing applications while ensuring seamless communication with stakeholders.

Technical Skills

Languages: JavaScript ES6+, CSS3, HTML5, C#
Technologies: GitHub, MongoDB, MySQL, Express, React, Node, Handlebars, jQuery, Bootstrap, NestJS, Angular
Core Concepts: Problem-Solving, Time-Management, Communication, Reliable, Avid Learner, Agile Development

Relevant Experience

Psychology Student Researcher, Apr 2017–Feb 2019
Carnegie Mellon University, Pittsburgh, PA
Work with a contracted developer and post-graduate students to develop a simple python game to relate decision making to motion tracking in the test subject.

Additional Experience

Shipment Coordinator, Jan 2021–Jul 2021
VSMPO Tirus, Leetsdale, PA

Professional Experience

Bayer, Pittsburgh, PA   Feb 2023-Present
Connected Systems Software Engineer

- Designed and implemented a local REST API in TypeScript to enhance the functionality of an existing .NET architecture.
- Updated .NET-based medical device software to integrate with the API, enabling expanded functionality.
- Developed, modified, and integrated UI controls within existing WPF MVC applications to enhance functionality and usability.
- Developed comprehensive test suites using Jest to ensure reliability and consistency in API functionality.
- Authored and maintained technical documentation in compliance with Bayer's established processes.
- Adhered to Agile development methodologies, utilizing tools such as Git, Artifactory, and Jira for version control, artifact management, and project tracking.
- Collaborated with stakeholders to enhance and refine customer-facing designs for improved user experience.

Projects

Card Graphix │ github.com/IsaacJCarnes/card-graphix-firebase │ card-graphix.web.app/

- A firebase web app built with react that allows the user to create, customize and export their own business card
- Responsible for team management, some page design, card creation functionality
- Migrated project to Firebase from Heroku
- Firebase, React, Apollo JS, Cloudinary, Html2Canvas, js2pdf

Education

Certificate in Full Stack Web Development

University of Pennsylvania, Philadelphia, PA Aug 2021-Feb 2022