

Ashley Hannigan

Full Stack Software Engineer

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Technical Skills & Technologies

JavaScript (ES6+), TypeScript, React, Angular, Redux, Node.js, Express, Webpack, Vite, Git/GitHub, CI/CD, SQL (PostgreSQL, SQLite), NoSQL (MongoDB), RESTful API's, HTML, CSS, MUI, TailwindCSS, Testing (Jest), WordPress

Experience

PMPK, LL | Software Engineer

Dec 2024 - Present

- Develop new features within the application that will improve employee efficiencies and quality of work for other departments.
- Provide code review and assist with any other QA methods.
- Assist in researching and resolving internal and external application problems or business workflow problems technically related to the application.

Miami-Dade County | Data Team Lead

Nov 2022 - Present

- Manage data collection, configuration, and analysis of sensitive data under Marine Turtle Permit #150-24 in customized VBA scripts and utilizing R programming language in R Studio, and ArcGIS to visualize and compile data.
- Quality assurance and quality control over databases, including monthly reporting of permitted activities to the Florida Fish and Wildlife Conservation Commission, and maintaining protocols according to the Marine Turtle Permit.
- Utilize ArcGIS Survey123, Field Maps, and Experience builder software to visualize and compile reports of 2,000 data points annually in a written technical data report.

Gently Poured Candle Co, LLC | Co-Founder/ CEO

2021 - 2024

- Boosted Shopify website template performance through implementation of plugins such as a 'cash rewards' system and a 'spin the wheel' discount reward system, increasing sales by 20%.
- Tracked customer habits, website views, sales, etc to monitor and grow the business by adapting to customer needs and changes with scent options, sales, etc on a monthly, annual and quarterly basis.

Freelance

Flake-Guard(Open Source Product) | Software Engineer

May 2024 - Dec 2024

- Developed Flake-Guard npm package with customizable test run time to then obtain metrics such as duration, yielding result, errors, from Jest local logs. flakeguard.com's customized dashboard renders easy to read charts that summarize all user results, with starred or flagged flaky tests for quick user identification.
- Implemented real-time interactive charts utilizing Nivo, built on top of React D3, and custom React component flake gauge risk, visualizing the actual percentage of flaky tests in your codebase, and how much of a risk that presents, to assist client in the identification and flagging of flaky tests.
- Maximized strong typing capabilities, long-term maintainability and scalability with Typescript, developed under the focus of object oriented programming principles.
- Streamlined the deployment process by containerizing the application using Docker and hosting it on AWS, leading to faster deployment cycles, improved resource management, and easier scaling across multiple environments.

Travelotlt, "Design your dream travel itinerary"

April 2024

- Improved legacy code reliability by implementing unit and integration tests with Jest, increasing code coverage, debugging React Router routing issues to optimize navigation and Open AI API query input changes to obtain better AI-driven results
- Configured REST APIs to process client prompts, send requests to OpenAI's API for formatted itinerary generation, store the itinerary in the database, and seamlessly return it to the front end for real-time display
- Developed custom drag-and-drop functionality for flexible itinerary adjustments, integrating React Google Maps for real-time location visualization of the itinerary and surrounding points of interest

WobbeJobs, "Find jobs faster and easier!"

March 2024

- Benefited from Puppeteer's headless browser ability to handle dynamic content for streamlining data retrieval to external job posting websites for fast, automated job searches
- Fetched job listings from ZipRecruiter and Indeed using Puppeteer, and displayed them in a custom React component with smooth scrolling, direct job links, query-relevant details, and enhanced filters for more precise job searching
- Crafted a clean, modern UX/UI by leveraging the flexibility of Tailwind CSS and Bootstrap's responsive grid system

Education

- Codesmith | Advanced Residency for Software Engineering | 2023 - 2024
- NovaSoutheastern University | M.S. | 2020 - 2022

Talks/Publications

- Remake Tech Talk: "Proxy Servers: Forward & Reverse"
- Medium.com: Flaky Tests — How to Overcome Testing Nightmares.