Ashley Hannigan

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Skills	Education	
Advanced: JavaScript (ES6+), TypeScript, React JS	CodeSmith	2023-2024
CSS, React Testing Library, React Router, Tailwind CSS	Nova Southeastern Univ., M.S.	2020-2022
Jest, SQL, Node.JS, Express, HTML5	Univ. of Maryland, B.S. 2016-2020	

Proficient: AWS ECR, AWS App Runner, NoSQL, Postgresql, R, Vite

Tech Talk: Presented to 40+ software engineers, focused on forward and reverse proxies emphasizing what they are, how they function, why use them, as well as their differences between them and VPN's or API Gateways   July 2024

Professional Experience

OSLabs Beta - Open Source Product   Remote
Flake-Guard, "Detect flaky jest tests"   May 2024 - Present
- Flakeguard.com's customized dashboard renders interactive charts utilizing Nivo, built on top of React D3, to assist developer clients with quick visual identification and flagging of flaky jest tests.
- Built custom React components flake gauge risk, risk of flake to the codebase tested, documentation FAQs for quick reliable setup and utilization of Flake Guard's features.
- Maximized strong typing capabilities, long-term maintainability and scalability with Typescript in 68% of the codebase, reduced bugs and enhanced developer confidence through test coverage by React Testing Library and Jest tests.
- Streamlined the deployment process by containerizing the application using Docker and hosting it on AWS App Runner, leading to faster deployment cycles and easier scaling across multiple environments.

Miami-Dade County   Miami, FL
Data Manager   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 entire dataset, including monthly reporting of permitted activities to the Florida Fish and Wildlife Conservation Commission, monitoring inventory and data submissions to abide and maintain protocols according to the Marine Turtle Permit
- Developed data team workflow, protocols, and daily procedures for accuracy and efficiency for a team of 10 individuals.
- Communicate data from visual and verbal reports consisting of over 2,000 data points annually in a technical data report for stakeholders.

Gently Poured Candle Co., LLC   Bradenton, FL
CEO/Founder   Nov 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.

Open Source Contributions

Travelotlt, "Design your dream travel itinerary"
- 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!"
- 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.