Richard Carrigan, MCT

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Experience

Technical Program Manager & Full-stack Developer, Microsoft Leap Apprenticeship Program (2020 – Present)

- Development Accomplishments
    - Greatly improved applicant selection process by refactoring the existing NodeJS API and associated SQL database to include testing, graceful error handling, file upload and storage, and LinkedIn authentication for automatic form completion.
    - Streamlined development workflow by implementing Azure App Service deployment slots, reconfiguring Azure DevOps pipelines, and establishing Git workflow policies.
    - Created serverless functions to support various business processes, such as dynamic email confirmations and data synchronization
- Program Management Responsibilities
    - Achieved and maintained 100% security, privacy, compliance, and accessibility scores across all assets by implementing RBAC security standards, performing regular access audits, and deactivating/removing unused services/assets.
    - Translated business requirements into technical specifications and oversaw the implementation and continued development of an Applicant Tracking System (ATS) built using Dynamics 365 CRM

Front-end Developer, Music Express/Triad-Orbit/Access Bags and Cases (2016 – 2020)

- Implemented new UI features from concept through deployment using combinations of HTML, CSS, JS, and PHP by collaborating with sales and design team members to create and implement new features.
- Increased search traffic and customer retention, while also reducing page load times over 60%, by implementing numerous UI, SEO, and performance optimizations such as CDN caching and media lazy loading.

Skills

- NodeJS + Express.js server management
- AngularJS & ReactJS component-based frameworks
- Serverless code & no-code app development
- Cloud service implementation, management
- HTML5, CSS3, JavaScript (ES6)

- Git Version Control & Workflows
- SQL Server, MongoDB databases
- OAuth, D3, SnipCart, Material Design APIs
- Advanced M365 Experience (Excel, SharePoint, D365, Power Platform)

Certifications

- **Microsoft** – AZ-104: Azure Administrator, AZ900: Azure Fundamentals, AI900: Azure AI Fundamentals, MS900: Microsoft 365 Fundamentals
- **freeCodeCamp** - Responsive Web Design, JS Algorithms and Data Structures, Front-End Libraries, Data Visualization

Education

Associate degree, Olympic College (2016)

Relevant courses

- Java OOP
- Programming Concepts
- SQL
- UI Design
- Web Dev I and II
- Web Multimedia
- XML

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Independent Projects

The MEAN Store (https://github.com/nihonjinboy85/ecommerce-mean-app)

Full-stack e-commerce web app using HTML, CSS, and Angular on the front-end, and NodeJS, Express.js, and MongoDB on the back-end, that allows users to review products in list and detail views, save items to cart, purchase, and log in and out using an integration with the Snipcart API.

Modern-devtools-config (https://nihonjinboy85.github.io/modern-devtools-config)

Framework-agnostic development foundation created to test the cohesiveness of modern build tools, including: Docker, Babel, Cypress, Sentry, Webpack, and NodeJS.

Pomodoro Clock (https://codepen.io/nihonjinboy85/pen/aeJzoV)

Timer built with ReactJS that automatically alternates between the workout and rest intervals while still allowing the user to adjust times as well as pause, resume, start, and stop the current session.