GitHub profile

Linkedin profile

Johnathan Dickson
BS in Computer Science (2022)

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Work Experience

Software Developer | .NET (C#)   **DNI Corp**   **Feb 2023 – Jun 2023**
- Fixed an internal alerting application, which enabled 3 other departments to see failed job orders.
- Assisted in closing support tickets which involved fixing bugs in internal applications.
- Set up a build pipeline for the dev team using Atlassian Bamboo from given Bash scripts.

Peer Tutor | Java   **Austin Peay State University**   **Aug 2021 – Dec 2022**
- Led over 150 personal sessions for students with and without learning disabilities in a 1:1 environment.
- Taught programming fundamentals such as data types, variables, functions, and control structures to 1st-year students.
- Introduced object-oriented programming pillars such as inheritance, encapsulation, abstraction, and polymorphism to 2nd-year students.
- Provided high-level overview of fundamental data structures such as Lists, Stacks, Queues, and Maps to 3rd-year students.

Coding Camp | Instructor   **Austin Peay State University**   **July 2021 & 2022**
- Taught roughly 220 middle and high school students web development fundamentals: HTML basics and semantic HTML, CSS box model, selectors and Flexbox, and beginner-level programming using JavaScript.

Project

Poo Patrol | Website   **Go To Live Site**   **Dec 2023**
- Gatsby (React) SSG website for a small pet waste removal business in Clarksville, TN.
- Utilizes a REST API, via Express/Node, to power sending service request and customer inquiry emails to the business owner.
- Form validation handled on client and server side using Zod schema validations and React Hook Form.

Technologies & Conceptual Knowledge

Languages
- Java
- TypeScript
- SQL

Frameworks, Libraries, & Runtimes
- **Backend** – Spring, Node/Express
- **UI** – React, TailwindCSS, RadixUI
- **Testing** – JUnit5, Mockito

Data & Database Systems
- **Relational** – Postgres, SQLite
- **Document** – MongoDB
- **ORM** – Hibernate, Entity Framework

Web Based Concepts
- **Protocols** – HTTP (REST), WebSockets, RPC, GraphQL
- **Validation** – Sanitizing HTML, Validating HTTP Request

Tooling & General Knowledge
- **Scripting** - Bash
- **VCS** – git & GitHub
- **CI** – GitHub Actions