Basil H. Ok

+1-571-344-4120 | Basil.h.ok@gmail.com | bokweb.site | Fairfax, VA

Objective

Recent university graduate with a major in Computer Science. I seek to leverage my experience and knowledge gained at George Mason University for a Software Developer role. I will be available for a 40-hour workweek upon hire and can work with a flexible schedule.

Education

George Mason University   Fairfax, VA | 01/2013 – 6/2015
Bachelor of Science in Computer Science | 01/2022 – 12/2023

Skills

Languages: Java, JavaScript, SQL, HTML, C#, C, Python
Other: React, Nodejs, MongoDB, Git, Junit, Excel

Projects

Portfolio | 01/2024 – 02/2024
- bokweb.site | github.com/sjok101/Portfolio
  - Developed an online portfolio website utilizing Express.js for the backend and Node.js/Express for client-side JavaScript.
  - Employed AJAX for enhanced dynamic web functionality when submitting form data.
  - Deployed the website on an AWS EC2 instance running Amazon Linux.
  - Implemented Apache virtual hosting to utilize the purchased DNS name for the website.

Point of Sale System (Group) | 01/2023 – 05/2023
- https://github.com/sjok101/pos_v-01.git
  - Engineered a dynamic Point of Sale (POS) system featuring offline capability through an internal database, ensuring seamless operation even in network-limited environments.
  - Leveraged Java to design a database capable of managing annual data loads exceeding 10,000 entries, with scalability for higher volumes.
  - Utilized Scene Builder to design an intuitive user interface and graphical models for comprehensive restaurant analytics, enhancing user experience and decision-making processes.
  - Implemented agile methodologies, following a Model-View-Controller (MVC) pattern across five sprints to ensure iterative development, adaptability, and stakeholder involvement.

Radio Web App (Producer Private Page) | 08/2023 – 11/2023
- https://github.com/sjok101/swe432-webApp.git
  - Designed and implemented a Producer's private page enabling dynamic management of DJ schedules and playlist content within a radio broadcasting environment.
  - Initially constructed with HTML, the project underwent migration to an Express framework for expanded functionality and scalability.
  - Employed Node.js and MongoDB to facilitate CRUD (Create, Read, Update, Delete) operations.

In-Development Projects | 01/2024 – Current
- github.com/sjok101/text-based-battler.git | mySudokuGame.git
  - In development for both Text-Based Battler, a web game application simulating real-time strategy with authentic battle mechanics, and a Sudoku web game featuring randomly generated valid boards and intuitive hint functionalities.