Fieraol Shiferaw

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Software Engineer

Well versed in a multitude of full stack application development technologies and programs. Skilled in problem-solving and critical thinking, as well as collaboration, leadership, and adaptability.

EDUCATION

University of Maryland   College Park, Maryland
Bachelor's in Computer and Information Science   08/2020 - 05/2024

Related Coursework: Object-Oriented Programming I & II (**Java** & **Python**), Introduction to Computer Systems (**C**), Database Design and Modeling (**MySQL**), Dynamic Web Applications (**JavaScript**, **HTML**, & **CSS**), Data Sources and Manipulation (**Python**, **SQL**, **Pandas**, **Numpy**, & **Jupyter Notebook**)

TECHNICAL SKILLS

Java, C, Javascript, React.js, Node.js, Next.js, NestJS, Angular, Typescript, RESTful, Python, Flask, Snowflake, Celery, Prisma, PostgreSQL, MySQL, DynamoDB, Git, HTML, CSS

TECHNICAL PROJECTS

Portfolio - [Website](#) | [GitHub](#)   01/2025
Fully responsive Portfolio Website using **Vite** and **React.js** with a contact form at the bottom using **Formspree**.
- **Node.js** runtime environment and utilizes **JSX**
- Website deployed using **Netlify**

Pinpoint – Full Stack Notes App - [Website](#) | [GitHub](#)   04/2025
Developed a full-stack notes app with **Next.js 15**, **React**, **TypeScript** and **Tailwind CSS**/**ShadCN** for the UI
- Implemented CRUD functionality with **Prisma**, **PostgreSQL**
- Added **user authentication** and session management via Clerk
- Integrated search and note pinning/editing/deleting; deployed using **Vercel**

NBA Teams WebApp - [GitHub](#)   10/2023 - 12/2023
Designed and developed a web application in **JavaScript**, **HTML**, and **CSS** which creates a visualization of the NBA standings.
- Fetches data from an open **API** (found on Rapid API)
- Uses JavaScript library **Chart.js** to create a bar chart of each team's number of wins
- Able to filter through the teams with the use of a search bar, updating the Chart.js visualization

Library Database - [GitHub](#)   03/2023 - 05/2023
Created a **database** of books using **MySQL,** along with **queries** to call on different items (using joins)
- Separate tables for different components (10 total tables) with different relation types.

EXPERIENCE

Almartha IT Consulting Inc.   Silver Spring, Maryland
Software Engineer Integration   06/2024 - Present
- Lead software integration projects for data migration, API integration (RESTful), and Service-Oriented Architecture, ensuring seamless connectivity between IT systems.
- Develop features of software products using React.js, Node.js, DynamoDB and PostgreSQL
- Test products using Unit Tests, E2E Tests, and Integration tests (using Karma, Jest, and Cypress).
- Collaborate with clients to understand their technology needs and challenges, providing tailored solutions for successful software implementation.

A Game of Rooms   North Bethesda, Maryland
Tech Intern   08/2019 - 01/2020
- Worked with Arduino Uno to create devices for escape rooms
- Used a combination of software (C++) and hardware (circuitry & soldering) to make interactive mechanisms

LEADERSHIP

Sunday School Teacher   Washington DC
DSK Mariam Ethiopian Orthodox Tewahedo Church   06/2018 - Present
- Teach a community of young kids at my church Bible Study
- Organize lessons with a group of teachers