BASIL NOOR

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EDUCATION

Oregon State University   **Corvallis, OR**
Bachelor of Engineering (B.E) in Computer Science   *Sep 2021 – Present*
- cGPA 3.6/4.0 with Dean's Honor Roll (2022)

TECHNICAL SKILLS

Proficient: Python, React, Javascript, Node.js, Express.js, SQL (MySQL), Tailwind CSS
Exposure: HTML, CSS, Chakra UI, MongoDB, Firebase, Bash, C, Docker, Ansible, GitLab, Jenkins, Redmine

WORK EXPERIENCE

DevOps Engineering Intern   **Mclean, VA**
Freddie Mac   *May 2023 - Aug 2023*
- Collaborate with a team of DevOps engineers to implement, deploy, and manage a variety of DevOps technologies, including **Docker**, **Ansible**, **GitLab**, **Jenkins**, and **Redmine**.
- Utilize industry best practices to automate processes and increase efficiency while reducing downtime and minimizing errors.
- Assist in designing and maintaining **CI/CD pipelines** to ensure seamless integration of code changes, including testing and deployment.

Software Engineer   **Crofton, MD**
7-Eleven   *Nov 2022 - Feb 2023*
- Developed a web application using **React**, **Node.js**, and **Tailwind** to streamline the employee scheduling process for 7-Eleven franchisees.
- Improved scheduling time by **20%** and increased employee efficiency by **25%** through the introduction of a task assigning system.
- Implemented a **MySQL** database to efficiently store and manage employee information, addressing scalability concerns and facilitating streamlined scheduling and task assignment processes.
- Leveraged **Git** for version control to effectively manage and maintain different versions of the codebase, ensuring efficient code management and adherence to best practices for branching and merging.
- Successfully deployed a production build using Google **Firebase**, ensuring reliable and secure hosting.
- Established and enforced website compliance standards, optimizing website files and code to improve load times by **15%** and enhance user experience.

PROJECTS

Team Randomizer Discord Bot
- Engineered a highly efficient Discord bot using **Python** to automate team formation, resulting in a **50%** reduction in team formation time through the implementation of a skill-based system.
- Adhered to **Agile** software development methodologies throughout the development lifecycle.
- Integrated the Hikari **API** and the Hikari-lightbulb **framework** to establish and execute API calls, ensuring seamless communication and integration with Discord's messaging platform.
- Modeled user/game data in **JSON** format and stored the information in an **SQLite** database.
- Ensured quality assurance by conducting comprehensive unit testing and achieving **100%** code coverage.
- Improved code readability and ease of maintenance by writing clear and descriptive docstrings/comments.

Exercise Tracker
- Created a full-stack **React** web application with a responsive front-end design.
- Developed a robust **RESTful API** using **Express.js** and **Node.js**, capable of handling various CRUD operations enabling users to seamlessly add, remove, and update workout exercises.
- Stored data in a **NoSQL** document-based database using **MongoDB**, ensuring efficient data retrieval and flexibility in schema design.