

# BASIL NOOR

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**Github:** [github.com/basilnoor](https://github.com/basilnoor)

**Portfolio:** [basilnoor.com](https://basilnoor.com)

## EDUCATION

### Oregon State University

Bachelor of Engineering (B.E) in Computer Science

Corvallis, OR

Sep 2021 – Present

- GPA 3.6/4.0 with Dean's Honor Roll

## TECHNICAL SKILLS

**Proficient:** Python, React, Javascript, Node.js, Express.js, SQL (MySQL), Tailwind CSS, Bash, Git

**Exposure:** Java, HTML, CSS, C, Chakra UI, MongoDB, Firebase, Docker, Artifactory, Jenkins, Redmine

## WORK EXPERIENCE

### Software Engineer Intern

McLean, VA

Freddie Mac

May 2023 - Dec 2023

- Spearheaded **Python** API development with **FastAPI**, implementing TDD methodology to effectively monitor and maintain the health of critical systems.
- Automated the verification process for multiple essential tools (e.g., Artifactory, Jenkins, Gitlab, Jira), reducing manual checks by **80%** and streamlining operations.
- Achieved **100%** code coverage through comprehensive unit testing using **Pytest**, ensuring the reliability and stability of critical tools.
- Created a reusable boilerplate solution expected to save over **50%** of development time for each subsequent API project.
- Contributed to the company's **Java** acceptance testing framework, significantly minimizing production risks and ensuring the reliability of key tools.
- Wrote multiple **BASH** scripts to automate key DevOps controller programs, resulting in significant time savings and improved workflow agility.
- Collaborated with DevOps team to streamline the **CI/CD** pipeline, enhancing operational productivity.

### Software Engineer

Crofton, MD

7-Eleven

Nov 2022 - Feb 2023

- Contracted to develop a web application using **React**, **Node.js**, and **Tailwind CSS** to streamline the employee scheduling process for 7-Eleven franchisees.
- Deployed **MySQL** database to optimize employee data storage, enhancing scalability and reducing scheduling time by **20%**.
- Introduced a task assigning feature, leading to a **25%** increase in employee efficiency.
- Successfully deployed a production build using Google **Firebase**, ensuring reliable and secure hosting.
- Leveraged **Git** for version control to effectively manage and maintain different versions of the codebase.
- Enforced website compliance standards, resulting in a **15%** improvement in load times.

## PROJECTS

### 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.

### Team Randomizer Discord Bot

- Engineered a highly efficient Discord bot using **Python** to automate team formation, resulting in a **50%** reduction in formation time through the implementation of a skill-based system.
- Integrated the Hikari **API** and the Hikari-lightbulb **framework** to establish and execute API calls.
- Modeled user/game data in **JSON** format and stored the information in an **SQLite** database.
- Adhered to **Agile** software development methodologies throughout the development lifecycle.