HASAN HUDA
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LinkedIn | Github | Portfolio

Technical Skills:

- TypeScript & JavaScript, Java, Python, C
- NextJS, ReactJS, Node.js, Express.js
- Firebase, PostgreSQL, MongoDB, MySQL
- Tailwind, AWS, Git, Spring Boot, Flask

Work Experience:

Software Engineer (IT Department Intern)   2023 - 2024
PSEG | Newark, NJ

- Developed Java code solutions on 3 major projects with a team using MuleSoft and Anypoint Platform.
- Tested and debugged 100s of API endpoints to ensure reliability, using Postman and unit testing.
- Developed a software solution to calculate vCore usage, creating responsive PowerBI reports for cost analysis. This optimized resource allocation saved tens of thousands in licensing costs.
- Separately utilized HTML, CSS, and JS to create an engaging website, collaborating with other departments to highlight the company internship experience in multiple departments.

School Teacher   2021 - 2022
ICLI | Old Westbury, NY

- Instructed high school students on complex topics relating to jurisprudence, theology, and law, utilizing engaging teaching methods and tools such as visual aids, diagrams, and presentations.
- Participated in regular meetings with other teachers and administrators to collaborate on effective teaching strategies, share best practices, and provide leadership when necessary

Education:

Stony Brook University | Stony Brook, NY   2024
Bachelor's of Science Degree | Applied Mathematics and Statistics

- **Relevant Coursework:** Object-Oriented Programming, Scripting Languages, Programming Abstractions, Data Structures, Computation Theory, System Fundamentals, Software Engineering, Software Security
- MSA Association Vice President

Coding Dojo | **Software Developer Bootcamp**   2023
Software Engineering Certificate

- Immersive 4-month training program in Python, Java, Mongo, Express, React, Node building CRUD apps.
- Spent 1000+ hours on intensive coursework through all phases of project development including building, testing, debugging, and deploying.

Technical Projects:

MacGuardians | Live Site | Github

- Web based e-commerce platform for personalized MacBook cases
- Allows users to upload images, drag and select areas, choose materials and finishes for a personal feel.
- Integrated authentication with Firebase, and payments through Stripe, ensuring smooth user experience.
- Sends confirmation emails to users after checkout, keeping them informed about their purchase status.
- Features an admin dashboard that displays a list of the transactions, with overview of sales and activity.

Technologies Used: Typescript, NextJS, PostgreSQL, Firebase, Stripe, Prisma, React, Tailwind

BugTracker | Live Site | Github Frontend | Github-Backend

- Web based bug and ticket management application with React, and MongoDB.
- Highly Responsive and interactive frontend using MaterialUI for an appealing user-friendly look
- Scalable backend developed with Express and Nodejs, with data exchange using RESTful API
- CRUD functionality with varying levels of user access/role (for admin and other users)

Technologies Used: Javascript, React, MongoDB, MaterialUI, Express, Axios