

Shaan Hossain

Backend Web Developer, Data Engineer

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[LinkedIn](#)

[GitHub](#)

[Personal Website](#)

EDUCATION

Northeastern University, Boston MA

September 2019 - April 2023

Candidate for BS in Computer Science: Concentration - AI

Relevant Courses: Object Oriented Design, Algorithms, Machine Learning and Data Mining 1, Natural Language Processing, Linear Algebra

EXPERIENCE

Beat the Book, Inc. Boston, MA — *Developer and Co-Founder*

May 2021 - PRESENT

Building a simulated betting experience to support a diverse community

Managing and working on a team of developers to build our MVP

Architecting how our various systems will integrate with each other including our live data feed, a Postgres database, a Redis cache, and our monolith Spring Boot + React application

Chewy, Inc. Boston, MA — *Backend Software Engineer*

January 2021 - June 2021

Migrated parts of web applications from using a monolithic API to a new suite of microservices

Designed, implemented, and updated various backend endpoints in different backend web applications

Worked on features through the development process from design, implementation, testing, and then deployment

Followed RESTful design principles while learning a variety of unfamiliar topics including Spring Boot, a handful of AWS services, Redis, and Postgres.

Collaborated on a scrum team with daily meetings for implementation, testing, and demoing changes

Northeastern, Boston, MA — *TA for Algorithms and Data*

September 2020 - December 2020

Answered questions during office hours and clarifying concepts on the class's piazza, a digital platform for students to post questions that instructors answer

Graded assignments carefully by following student logic and awarding points based on understanding, rationale, and logic versus only the correct answer

Interests:

Cars, motorcycles, games, investing, computers, weightlifting, cooking

PROJECTS - MOST RECENT WIP

NFT Project:

Creating an NFT on the Ethereum blockchain

- Configured Express server
- Deployed on Heroku
- Solidity smart contract to mint NFTs
- Image splicing algorithm to process layers into images given weighted distributions

Personal Website:

More details for my finished projects, skillset, and interests

- Deployed through AWS
- Dockerized Express server
- UI server serving static files for backend capability with interactive projects later on

Medical Calculator:

A tool for my father and his colleagues to use

- Lightweight flask backend serving client side calculator
- System of equations parser
- Server worker to cache calculator for offline use

Skills

Languages:

Java | Python | JavaScript

Frameworks and Libraries:

Spring Boot | NodeJS | JUnit | Open Feign | Spock | Mockito

Technologies and Tools:

Docker | Postgres | Postman | Gradle | Heroku | Splunk | Redis

AWS Services:

EC2, ECS, SQS, and SNS