Shadman Ahmed

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[github.com/manofshad97](https://github.com/manofshad97)

Full Stack Software Developer

I am excited to be pursing a career in software development leveraging 8+ years of tutoring, Computer Science coursework at NYU, and my recent coding bootcamp experience. In addition to my strong technical skills I also have significant experience teaching and leading group projects.

• Strong interpersonal communication

• Strong interest in new technologies

• OS proficiencies include Windows and Mac

* Experienced with refactoring and debugging

Technical Skills Summary

Languages JavaScript | HTML | CSS | Python

Frameworks Node.js | React | WebAPI

Database Management MongoDB | Mongoose | MySQL |Amazon Redshift (familiar)

Source Control Git | GitHub

Development Visual Studio | WebStorm

Server management…………………………………………………………………………………………………………………………………………………….Express

Testing Frameworks…………………………………………………………………………………………………………………………………………………….Cypress(familiar)

Other Tools AWS | MS Excel | MS PowerPoint |Material-UI | Nodemailer |Trello

Coding Experience

**OUT Maine Rockland, ME Jul 2021 – Aug 2021**

**Developer – Capstone Project, Burlington Code Academy**

Member of a 5-person team tasked with automating (and making mobile-responsive) the binder distribution process from initial request up to delivery. Features include preferences and prioritization, email automation for waitlist and ready-to-ship, inventory management, admin functionality, and multiple sortable fields and categories.

* Collaborated with project sponsors to design the request form and admin dashboard
* Used Agile methodologies to manage project development and stories in Trello
* Edited and fine-tuned request body of the form using React and Material-UI
* Developed automated email system using Nodemailer for the emails and Express as a server
* Co-designed system to automatically notify waitlisted requester when binder becomes available
* Implemented a database for storing binder inventory, processed inventory, requests, and waitlisted requests using MongoDB, Mongoose, and Express
* Technology used: MERN Stack (MongoDB, Express, React, Node), JavaScript, Material-UI, Nodemailer, Mongoose, and Trello

For admin:

(<https://binder-program.herokuapp.com/>login)

For user:

(<https://binder-program.herokuapp.com/>form)

**Other Coding Projects New York City, NY 2017 – 2021**

Portfolio Website Software Developer July 2021

* Created a portfolio website for a weekly project at the Burlington Code Academy. Built from scratch using HTML, CSS, and React. Still a work in progress. Need to add functionality to contact form as well as general mobile responsiveness.

(https://stark-refuge-83516.herokuapp.com/)

Restaurant Website Software Developer 2020

* Built using HTML, CSS, and React with a software engineering colleague; was originally meant to be a sports news website. ([www.shadsrestaurant.com](http://www.shadsrestaurant.com/))

Hip Hop Artist Website Co-Developer 2019

* Worked together with a software engineering colleague to build a website featuring music from trending hip hop artists (just to use amongst friends). Worked on much of the HTML code. ([www.trapplemusic.com](http://www.trapplemusic.com/))

Chopra Foundation Online Library Hackathon Participant Oct 2017

* JP Morgan & Chase Code for Good Hackathon. Worked as part of 5-person team to develop a full stack solution for Chopra Foundation’s online library of academic journals. My focus was the creation of back-end MySQL tables to store articles and their specific tags. Installed and set up solution to be hosted on Amazon Web Server.

Education/Certification

Full Stack Web Developer (480+ hours) Burlington Code Academy Aug 2021

Computer Science Coursework toward B.S. New York University (NYU) Sep 2015 – Dec 2020

Rigorous College Preparatory Coursework Bronx High School of Science (BHSS) Jun 2015

Other Professional Experience

**Tutoring Roles New York City, NY 2012 – Present**

Private Tutor College Math, Finance, and Writing Tutor 2012 – Present

Varsity Tutors Math/English/Computer Science Tutor 2016 – 2018

Bobby’s Tutorial SHSAT and Algebra 2 Instructor Summer 2017

Math Matters Tutoring Center SHSAT and SAT Instructor 2015 – 2017

Other Professional Experience *(Continued)*

* As a Private Tutor, currently tutoring for college statistics and finance courses
* At Math Matters Tutoring Center, prepared students for the Specialized High Schools Admissions Test (was in charge of the whole SHSAT program); tutored students in the Math and Critical Reading sections for the SAT; helped sharpen elementary students’ skills for the Math and ELA Common Core Tests

**Raasforce New York City, NY May 2019 – Jan 2020**

*Global talent marketplace powered by artificial intelligence, providing recruitment-as-a service.*

**Engineering Intern**

Performed database management using mySQL and Amazon Redshift. Worked toward improving efficiency by refactoring legacy code and simplifying logic flow. Introduced new optimizations for bulky database tables which contained extraneous columns.

Community

Bobby’s Tutorial Volunteer Algebra and SHSAT Tutor 2014 – 2015

The Future Programmers of America Club/BHSS Python Tutor 2014 – 2015

Khan’s Tutorial Volunteer Common Core Tutor 2013