

SAGAR RATHOD

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EDUCATION

iOS Mobile Development Bootcamp | CodePath Remote | **Sept. 2022 – Current**

C++ Coding Bootcamp | Washtenaw Community College Ann Arbor, MI | **Jun. 2022 – Aug. 2022**

- **Coursework:** Object-Oriented Programming; Data Structures & Algorithms; Linear Algebra; Discrete Mathematics

Bachelor of Science in Human Biology | Michigan State University East Lansing, MI | **Graduated May 2022**

- **Minors:** Philosophy and Computer Science
- **Coursework:** Functional Programming (Python); Data Structures & Algorithms (Java); Applied Statistical Methods (R)
- **Activities:** Pre-Medical Assoc. (President); Active Minds (President); Spartan Spectrum (Treasurer & Web Developer)

SKILLS

Languages: Python · Java · C++ · JavaScript · HTML · CSS (Bootstrap, Tailwind) · Swift

Frameworks: React · Node · Express · Amazon Web Services (AWS) · Google Firebase · DynamoDB · Git · Heroku

EXPERIENCE

Software Engineering Mock Intern | Plivo Remote | **Aug. 2022 – Sept. 2022**

- Developed an omnichannel customer service platform, leveraging React and JavaScript, to allow for communication between customers and company administrators via email, video chat, SMS (Twilio API), and in-app instant messaging.
- Utilized Google Maps API to assist customers in finding store locations to increase store visits.
- Engineered backend schemata and APIs for MongoDB collections using routes and controllers on an Express.js server to manage all customer-submitted queries and their corresponding admin dashboards.
- Implemented a complex ChatBot AI to increase customer support efficiency by 20%.
- Selected as one of 7 teams to present our final product to the Product Marketing Manager of Plivo.

Software Engineering Fellow | Headstarter New York, NY | **Jun. 2022 – Sept. 2022**

- Created 3+ web app changes accepted to production using React, AWS, and RESTful APIs to open-source projects.
- Built serverless APIs using AWS Lambda with 99% uptime and real-time DynamoDB data entry tables.
- Spearheaded projects from design to deployment leading 7+ fellows using MVC design patterns.
- Coached by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git, SDLC, and microservice patterns.

Senior Manager, Business Operations | New Vision Resources, INC Detroit, MI | **May 2018 – Jun. 2022**

- Managed a technology staffing and consulting company that provides contract, contract-to-hire, and permanent staff augmentation services to Fortune 500 companies, local municipalities, and federal government agencies.
- Prepared financial contracts between New Vision Resources and prospective clients. Resulted in the company's expansion for staffing across various industries, with growth from 3 employees to 21 employees in 2021.
- Conducted diligence of a client's technical and business requirements to streamline operational processes with recruiters in the United States and India to place software developers and IT specialists with clients.

PROJECTS

E-Commerce Bookstore | React, AWS, GraphQL, Stripe API [Website](#)

- Deployed a bookstore using an AWS AppSync GraphQL API to connect React front-end with DynamoDB backend.
- Utilized Stripe API for purchases, AWS Amplify for CRUD operations, Amazon Cognito for user authentication, AWS Lambda functions to process book orders, and S3 buckets to store book images.

Space Invaders | Python, Pygame [GitHub](#)

- Built the game "Space Invaders" with object-oriented design and created a user-controlled spaceship and AI enemies.
- Implemented bullet shooting capabilities, enemy elimination/regeneration, health bars, and scorekeeping.

Tech Task Marketplace | JavaScript, React, Node.js, Express.js, Firebase [GitHub](#)

- Created an online marketplace for businesses and freelancers to host/assign tech jobs on a contract basis.
- Utilized Google Firebase for user authentication and database management.

Automated Resume Parser | React, Redux, Node.js, Multer, Tailwind CSS [GitHub](#)

- Developed a website that allows applicants to upload their resumes and allows recruiters to search for candidates.
- Implemented a backend component that parses through pdfs and indexes key information for sleek search.

COVID-19 Tracker | JavaScript, React, Material UI, Chart.js [Website](#)

- Developed a web application that displays COVID-19 infection statistics for every country worldwide.
- Created informative visualization of the data using Chart.js. Deployed website using Heroku and Netlify.