SAGAR RATHOD

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EDUCATION

Bachelor of Science, Human Biology | Michigan State University   **Graduated May 2022**
- **Minors**: Philosophy and Computer Science
- **Coursework**: Object-Oriented Programming; Data Structures & Algorithms; Applied Statistical Methods; Discrete Math
- **Activities**: Active Minds (President); Spartan Spectrum (Treasurer & Web Dev); Policy Debate (Head Coach)

SKILLS

Languages: Python · Java · C++ · JavaScript · TypeScript · HTML · CSS (Bootstrap, Tailwind) · Swift · SQL
Frameworks/Tools: React · Node · Express · Amazon Web Services · Google Cloud · DynamoDB · Spring · Jenkins · Git

EXPERIENCE

Software Engineering Intern | Headstarter   New York, NY | **Jun. 2022 – Current**
- Deployed 3+ web app changes accepted to production using React, Firebase, and REST APIs for open-source projects.
- Created serverless APIs using AWS Lambda with 99% uptime and real-time DynamoDB data entry tables.
- Spearheaded projects from design to deployment leading 4+ engineers using MVC design patterns.
- Coached by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, TDD, SDLC, and microservice patterns.

Software Engineering Extern | 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.
- Implemented a complex AI Chatbot, which resulted in increased customer support efficiency by 20%. Utilized Google Maps API to assist customers in finding store locations to increase store visits.
- Engineered MongoDB backend with MVC design on an Express.js server to manage all queries and admin dashboards.
- Selected as 1 of 7 teams to present to the Product Marketing Manager. Won 2nd place in the final project showcase.

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 NVR and prospective clients. Resulted in the company's expansion for staffing across various industries, with growth from 3 to 21 employees in 2021 and reported annual revenue of $1.3M.
- Conducted diligence on a client's technical and business requirements to streamline operational processes between recruiters in the United States and India to place qualified software developers and IT specialists with clients.

PROJECTS

Tweeter (iOS) | Swift · Twitter API   **GitHub** | **Fall 2022**
- Developed a Twitter clone where users can view/compose/favorite/share tweets. Enabled 3-legged OAuth for user auth.
- Created functionalities for users to refresh their feed via drag scroll and infinite scroll through feeds.

Brand AI | Python · AWS · React · TypeScript · Next.js · Docker   **GitHub** | **Summer 2022**
- Created an AI-driven SaaS app that generates upbeat taglines and search-engine-optimized keywords for businesses.
- Developed a Python FastAPI framework that utilizes OpenAI's GPT-3 API for content generation. Managed cloud infrastructure and containerization with AWS CDK and Docker. Deployed website with Vercel and AWS Lambda.

E-commerce Bookstore | React · JavaScript · AWS · GraphQL · Stripe API   **Website** | **Summer 2022**
- Deployed a bookstore using AWS Amplify and AWS AppSync to connect React front-end with DynamoDB backend.
- Utilized Stripe API to manage secure transactions, GraphQL API for CRUD operations, Amazon Cognito for user authentication, AWS Lambda functions to process book orders, and S3 buckets to store book images.

Automated Resume Parser | React · Redux · Node.js · Express.js · Tailwind CSS   **GitHub** | **Spring 2022**
- 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.

AWARDS & CERTIFICATIONS

iOS Mobile Development Certificate | CodePath   **Oct. 2022**

2nd Place, Project Showcase | Plivo   **Sept. 2022**

C++ Programming (CVCPGM) | Washtenaw Community College   **Aug. 2022**