Sagar Hedaoo

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ   May 2024
Master of Science in Computer Software Engineering

- **Honors**: Merit Graduate Scholarship through exemplary academic performance

Pune University, India   May 2022
Bachelor of Engineering in Computer Science and Engineering

SKILLS

- **Programming Languages**: JavaScript/TypeScript, Python, Java, Ruby on Rails, C++, C, Kotlin
- **Technologies:** Git, GitHub, Docker, JIRA, AWS, Kubernetes, Terraform, Circle CI, Aurora, Kafka, Redis
- **Frameworks & Database:** React, Spring Boot, MySQL, H2, HTML NextJS, Tailwind CSS, Maven, Shadcn, NodeJS, PostgreSQL

OPEN-SOURCE CONTRIBUTIONS

- Implemented a **Scroll to Top feature** in Responsively app, improving navigation efficiency and user engagement [*Link*]
- Identified and resolved **multiple UI bugs** in Twenty CRM Software. Enhancing stability and user interaction [*Link*]
- Updated **Radio group component** wrapping it with latest Radix UI component [*Link*]

EXPERIENCE

CloudCraft Technologies Pvt Ltd, Software Developer Intern   August 2021 – March 2022

- Utilized MERN (MongoDB, ExpressJS, ReactJS, NodeJS) stack to develop and deployed 3 web applications for clients use, improving operational efficiency by 20%
- Increased website traffic by 10% through SEO optimization techniques
- Leveraged AWS S3 for cloud storage, ensuring 99.99% uptime for all executed applications
- Delivered unit and integration testing frameworks, achieving 85% code coverage and minimizing bugs

Oil and Natural Gas Corporation Ltd, Software Analyst Intern   May 2020 – July 2020

- Analyzed and documented business requirements for Project ICE, contributing to integration of specific SAP modules (Finance, HR, Material management) across 500+ locations
- Designed test cases and conducted functional testing of SAP functionalities
- Performed data migration and cleansing tasks for ERP integration

PROJECTS

[*Link*] **Explore-Hub Application**

- Developed a travel booking website with FARM (FastAPI, ReactJS, MongoDB) stack, Python, OAuth2.0 and APIs
- Fetched data in server react components by directly accessing database with created API Endpoints
- Implemented Flight Search, Hotel Search, Weather Search, Attraction Search, and payment integration with Stripe

[*Link*] **Full Stack E-Commerce Web Application**

- Architected a robust, end-to-end e-commerce website using JavaScript, NodeJs, ReactJS, NextJS, CSS and MongoDB with user authentication and user privacy
- Employed Amazon S3 to store project images and AWS to support website seamlessly
- Configured Stripe for secure payment processing, resulting in a seamless and reliable payment system

[*Link*] **Spring Boot Application**

- Implemented a REST API using Spring MVC with CRUD operations, in-memory data handling, and comprehensive testing including unit and integration tests to ensure robust backend services
- Utilized Docker Compose and PostgreSQL for database management and data persistence, integrating H2 and Spring Data for efficient data operations and testing using Junit and Mockito
- Created a dynamic web client using Rest Template and WebClient, and implemented GraphQL client operations

ACHIEVEMENT

[*Link*] **Led the Development of Award-Winning Mobile App Suite for College Campus**   May 2022

- Architected and launched a next-generation Android App built with Kotlin to revolutionize communication and information access for over 1,000+ university students and faculty
- Eliminated paper dependence by digitizing maps, popular places, notices and, a chat system engaging Firebase

ACTIVITIES

Vice President, Institution of Engineers India (IEI)   Aug 2021

- Partnered with colleges to formulate and execute a strategic plan for expanding chapter's network
- Attained the IEI Chapter College President's Award for demonstrating exceptional leadership