

# Siddhant Kumar

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## PROFESSIONAL EXPERIENCE

### Software Developer, *University of Mississippi*

May 2024 – present

- Contributed in the development and upkeep of the school website employing technologies such as Cascade CMS, JavaScript, XML, Velocity, Apache, Java, PHP, and SQL, aiming at creating a functional and user-focused design.
- Executed usability testing and improved frontend accessibility, adhering to WCAG 2.0 guidelines to ensure a high-quality user experience, and optimized website configurations for enhanced performance and interaction.
- Supported the management of end-user requests for web publishing and content management using HTML, CSS, JavaScript, Jira, and Smartsheet to streamline processes and maintain content accuracy and usability.

### Software Developer, *Henry Schein*

Jul 2023 – May 2024

- Collaborated in a team to develop a healthcare management platform web application. Employed React Hooks, JavaScript (ECMAScript 6), Bootstrap, and DOM manipulation for an interactive and high-performance frontend. Implemented UI guidelines following WCAG 2.0 standards for improved accessibility and usability
- Created React components in JSX, improving specificity with properties through Redux. Utilized Redux as a state management library, implementing pure functions to create reducers for efficient state management resulting in a 30-millisecond (ms) reduction in site loading time
- Developed backend services utilizing Spring Boot, Java, REST APIs, and JSON. Analyzed and enhanced application efficiency through optimized queries and content for PostgreSQL and MongoDB (for specific features)
- Implemented a CI/CD Endpoint API providing build information from the latest Docker build and Git Commit; facilitated deployment on AWS using Jenkins resulting in a 10% reduction in deployment time

### Full Stack Software Engineer Intern, *Breathing.ai*

Feb 2023 – May 2023

- Collaborated in an agile environment with a team and stakeholders to develop and maintain a website and Chrome extension, resulting in a 10% increase in user onboarding. Contributed to the creation of a responsive and appealing UI by referring to Figma mockups and wireframes provided by the UI/UX team, using Typescript, React.js, Next.js, and Tailwind CSS. Implemented a language selection feature with i18n in Next.js
- Integrated machine learning algorithms into custom Django middleware for seamless front-end utilization and implemented Python-based microservices architectures with Docker containerization, utilizing AWS services for deployment and scaling
- Demonstrated a strong aptitude for learning and analytical thinking by quickly adopting and applying new technologies and tools, such as Chrome DevTools and Typescript. Integrated testing methodologies into the development process, utilizing manual testing techniques, code reviews to ensure product quality and proactively identify software bugs

## EDUCATION

### Master of Science in Computer Software Engineering, *Stevens Institute of Technology*

Aug 2021 – May 2023 | Hoboken, NJ

## SKILLS

**Languages:** Java, Python, HTML5, CSS3, JavaScript(ES6), Typescript, PHP | **Framework and Library:** React.js, Next.js, Redux, GraphQL, RESTful APIs, Tailwind Bootstrap, JSON, AJAX, Node.js, Express.js, Spring Boot, Redis, Django, Flask, Velocity, Apache | **Database:** MySQL, PostgreSQL, MongoDB | **Cloud:** AWS, Heroku | **Methodologies:** Agile (SCRUM), TDD | **Tools:** Git, GitHub Actions, Jenkins, Firebase, Webpack, Microsoft Office, VS Code, Eclipse, Figma, Docker, Kubernetes, Cascade

## PROJECTS

### NJ Rental 🔗

- Collaborated in a cross-functional team of 4 members to develop and deploy an apartment rental e-commerce website, enabling users list, rent, and communicate with property owners.
- Leveraged React.js for the front-end, Redis for caching, and MongoDB for the database, while utilizing Node.js, Express.js for the server-side logic and WebSocket for chat feature. Employed Heroku for efficient deployment, ensuring a reliable and scalable platform

### Zero Waste 🔗

- Worked in a 4-member team to create restaurant inventory website. Users can create recipes and add items to inventory. User can login with google account as well.
- Used React.js for the front-end, and MongoDB, Mongoose for the database, Node.js, npm, Express.js for backend. Firebase for user authentication.

## ACTIVITIES

### Graduate Peer Mentor, *Stevens Institute of Technology*

- Mentored students with academic course selection, career guidance and university activities/resources
- Addressed issues through recommendations or suggesting the right campus resources.