Yash Chinmay Gandhi

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PROFILE

Experienced Full-stack developer, proficient in HTML, CSS, JavaScript, Java, C++, Python, and Node.js. Skilled in creating responsive, user-friendly, and efficient web applications. Possesses strong problem-solving abilities and effective communication skills. Strong background in implementing automated testing strategies to ensure optimal performance, user experience, and code quality. Exceptional problem-solving abilities, with a keen eye for detail, and a passion for learning new technologies. Committed to delivering innovative and scalable solutions that exceed client expectations.

TECHNICAL SKILLS

Programming Languages:
Javascript, Java, Go , Shell, Python, SQL, HTML, CSS

Software development:
Agile, Scrum, SDLC, Git, Bitbucket, JIRA, Confluence.

Databases and Frameworks:
React JS, Redux, Node JS,Spring Boot, SQL, MongoDB

SDE Tools and Cloud:
AWS, Azure, Docker, Postman, Developer Tools, CLI

PROFESSIONAL WORK EXPERIENCE

Software Engineer - *Spillbox Inc, CA* *March 2023 – Present*

- Developed Java-based cloud infrastructure automation software using Terraform to improve deployment speed and efficiency.
- Played a key role in developing scalable containers and cloud-scaled-out databases and file servers to support design automation.
- Demonstrated expertise in working with AWS and Azure, to architect robust and reliable infrastructure solutions that met stringent performance and security requirements.
- Driving the development of a robust cloud orchestration software solution that seamlessly connects servers and shared file systems to job machines, streamlining operations and optimizing workflow efficiency.
- Deployed a containerized solution using Docker and Kubernetes, ensuring scalability and high availability of the application.

Full Stack Engineer Intern - *Synopsys, Mountain View, CA* *June 2022 – Sept 2022*

- Designed and developed a full-stack web application using Javascript, React.js and Node.js, to streamline project management processes, enhance collaboration.
- Utilized a MongoDB database to store project details like deployment status, code location and other project metadata.
- Built a user-friendly interface that allowed software engineers to search for projects based on every parameter in project metadata.
- Implemented advanced functionalities, including persistent pages, filtering, and shareable URLs.
- Implemented server-side pagination to fetch data from a database with more than 1 million entries, improving performance and reducing network load.
- Conducted cross-browser testing to ensure compatibility and responsive design on different devices and browsers.

EDUCATION

University of California, Riverside: *Riverside, California* *Sept 2021 - Dec 2022*
Master of Science - Computer Science

University of Mumbai, *Mumbai India* *Aug 2017 - June 2021*
Bachelor of Engineering - Computer Engineering

PROGRAMMING PROJECTS

Twitter Data Analysis (Python - JavaScript - ReactJs - SNScrape - PySpark - Hadoop) *Sep 2022 - Dec 2022*

- Developed software for collecting and analyzing tweets related to the FIFA World Cup 2022, using SNScrape for data collection and PySpark, Hadoop, and NLTK libraries for data preprocessing.
- Created an interactive data visualization dashboard using JavaScript and ReactJs, and RESTful APIs using NodeJs, enabling seamless presentation and interpretation of the analysis results.

Wellness Survey Platform (Java – JavaScript – Bootstrap – GraphQL – MongoDB) *Aug 2020 - June2021*

- Designed and developed a software system to empower Accredited Social Health Activists (ASHAs) in efficiently conducting surveys and collecting vital medical information.
- Implemented robust Java and JavaScript-based modules, integrated with RESTful APIs using NodeJs for seamless data retrieval and manipulation, and utilized MongoDB as a highly scalable and flexible database solution.

Crop monitoring system (Python – Google Earth Engine) *Sep 2021 - Dec 2021*

- Developed a crop health assessment software system using multispectral satellite data (Sentinel 2 MSI) and Cloud Probability Datasets, and achieved a 20% accuracy improvement through advanced data filtering in Python.