Kavya Sree Katakam
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TECHNICAL SKILLS:

- **Languages**: Java, C, Python, Algorithms, Data Structures, JavaScript, Typescript, Angular
- **Technologies and Frameworks**: HTML, CSS, React, Node.js, Karate, SOAP, REST, Microservices, OJET, jQuery, Junit, JDBC
- **Databases**: MySQL, PL/SQL, PostgreSQL, MongoDB, Oracle DB, Firebase DB
- **Tools**: GAT, Cypress, Selenium, AWS (EC2, S3), Android Studio, Docker, Jira, Maven, Figma, Photoshop, Sketch

PROFESSIONAL EXPERIENCE:

New York State Department of Health | Intern   Oct 2024 –Present

- Improved data management using **Nodejs, MongoDB** for 2 projects, reducing data retrieval time by 25%.
- Wrote over 30 complex queries and reports in **PostgreSQL**, effectively managing diverse datasets of more than 200,000 records, which cut down manual data processing time by 40% and refined reporting procedures.
- Enriched UI/UX using **Angular**, contributing to a 5% increase in user engagement.

University at Albany, SUNY | Student Assistant   Jan 2024 – Sep 2024

- Engineered graphic websites and application interfaces using **HTML5**, **CSS3**, and **Bootstrap**, resulting in a project that enhanced usability and received a 90% satisfaction rating from user testing.
- Utilized **Figma**, **Photoshop**, and **Sketch** to create about 2 visually appealing graphics and mockups, significantly improving human-computer interaction.
- Contributed to the development of web applications using **Spring MVC** architecture by involving in designing and developing **JSON** Objects with SQL Server and deployed it using **AWS S3.**

Oracle India Private Limited | Software Developer 2   Jul 2021 – Dec 2022

- Built over 8 web applications for oracle hotel distribution across booking platforms and reservation systems, leveraging **OJET** and **TypeScript**, while conducting code reviews for 200+ code submissions to ensure quality and adherence to best practices.
- Utilized **Karate** for API testing and **Jest** for unit testing in **Opera Cloud Projects**, achieving 95% test coverage.
- Conducted comprehensive testing using **GAT**, **Selenium**, and **Cypress** identifying 5+ bugs, resulting in a 5% reduction in post-deployment issues and ensuring overall application quality.
- Worked in a **Scrum and Agile environment**, contributing to iterative development processes, which led to a 15% reduction in project delivery time and improved team collaboration and feedback loops.
- Executed **SOAP, REST** and **Microservices** to facilitate seamless communication between frontend and backend systems.
- Engineered the backend of applications using **Spring Boot**, **Java**, **JPA**, applying object-oriented programming principles and utilizing over 10+ libraries, while containerizing applications with **Docker** for enhanced scalability and efficiency.
- Worked with **Maven, Gradle** tools to build and launched **GitLab CI/CD** pipelines, significantly cutting deployment times by 30%.

Oracle India Private Limited | Intern   Jan 2021 – Jun 2021

- Implemented the UI using **JavaScript**, HTML, CSS for key financial management features, including calculation tools and inventory control settings**,** securing a 5-second reduction in response time.
- Maintained and updated web applications, including extensive debugging, resolving 90% of assigned tickets using **Jira**.

PROJECTS:

Mall Management System:

Formulated a web application which enables users to book movie tickets, a parking slot and event, view multiple deals, shop online, apply for jobs in the mall, order food and view the games present in the game zone and deployed the application on AWS EC2.

Virtual Marketplace:

Developed an online platform using HTML, CSS and MySQL database with seamless navigation and flexible inventory management.

Better and faster emergency care during accidents:

Designed and developed a highly accurate mobile application using Android Studio and Firebase Database, sending real-time alert messages to emergency contacts in critical situations, enhancing user safety by 40%.

EDUCATION:

University at Albany (SUNY) | New York, USA   Jan 2023 – Dec 2024
Master of Science in Computer Science - 3.83/4

CERTIFICATES:

Typescript Workshop Certificate | Computer Science and Information Systems – Student Branch and Cybernauts   **Mar 2020**
Hackathon League Participation Certificate – J Hub | JNTUH   **Dec 2019**
Python Programming Workshop Certificate | Computer Science and Information Systems – Student Branch   **Sep 2018**