PREETI BHATTACHARYA

VIRGINIA, USA | (469)-891-7535 | preeb34@gmail.com | linkedin : preeb34

SKILLS

BACK END DEVELOPMENT | Java • Spring • Express • NodeJs • Python
FRONT END DEVELOPMENT | JavaScript • TypeScript • ReactJS • Angular • HTML
DEPLOYMENT & DEVOPS | AWS • Docker • Kubernetes • Jenkins • GitHub • Postman
TESTING & QA | Selenium • Cucumber • SoapUI • TestNG • Jasmine • Junit
SOFT SKILLS | Team Player • Punctual • Deliver Results

PROFESSIONAL EXPERIENCE

Hubbell Inc. | **JAVA | Spring | MYSQL | Hibernate | API**
Software Engineer | Jun 2023 - Present   **Virginia, USA**

- Contributed to technical architecture discussions with the HubbellX team for seamless module communication, ensuring integration and data flow.
- Implemented API authentication and authorization using OAuth2 and LDAP, ensuring protected resource access.
- Enhanced database query performance to improve the overall performance of the application by 20%.
- Scrutinized endpoints with JUnit and Postman for functionality and edge cases, ensuring API system efficacy surpasses 80%.
- Revamped legacy code, increasing efficiency by 32% and cutting maintenance time by 25%.
- Committed to craft a pivotal web application as a central data hub for transmitting diverse data to over 2000 IoT devices.

Software Developer Intern   Feb 2023 - May 2023

- Built an Eclipse Leshan-inspired IoT device management system for monitoring sensor data by 30% utilizing the CoAP protocol.

Spacee Inc. | **TypeScript | Jest | GitLab | Azure | Jira**
Software Engineer-Intern | Jun 2022 - Dec 2022   **Texas, USA**

- Played a significant role, contributing 25% to the software development of IoT devices aimed at shelf-level inventory analysis.
- Implemented event logging and device telemetry using a tech stack powered by Kafka, Mosquitto, and Elasticsearch.
- Resolved bugs and coding concerns to optimize responsiveness and efficiency by 22% of both IoT devices and web applications.

Cerence Inc. | **Python | NLU | Jira**
Software Analyst | Dec 2020 - Jul 2021   **Pune, India**

- Enhanced Volkswagen's Automatic Speech Recognition by 25% through NLU mapping, automating 75% of functions using Python.
- Integrated country-specific accent commands into Automatic Speech Recognition via NLU, boosting accuracy by 80%.
- Orchestrated end-to-end processes, including requirement analysis, testing, implementation, and validation of speech systems for Volkswagen automakers. Efficiently organized code in GIT and tracked progress via Jira, resulting in a 22% increase in efficiency.

Atos | **Java | AGILE | Selenium | JavaScript | Cucumber | Jenkins**
Software Engineer-2 | Mar 2018 - Dec 2020   **Pune, India**

- Facilitated a team of 4 in Agile and implemented a data-driven framework for ENS in FedEx. Developed automated AEM emails, and maintained them in SVN and its data in Oracle SQL.
- Enhanced efficiency by 75% via Java, Selenium, and TestNG scripts, integrating SoapUI for API. Reduced redundancy by 30% with Jenkins pipeline setup and root cause analysis.
- Utilized JavaScript, Cucumber, and Protractor for 16% GUI enhancement and Postman for API mapping in FedEx's Pricing division.

EDUCATION

George Mason University   **Virginia, USA**
Master of Science in Computer Science (GPA:3.7/4)   *2021 - 2023*

Chhattisgarh Swami Vivekananda Technical University   **Raipur, India**
Bachelor of Engineering in Computer Science and Engineering (CGPA:8.8/10)   *2013 - 2017*

PROJECTS

Mars-Rovr Photos API 🔗   **Spacee**

- Developed a React front-end and Node.js (Express) back-end system displaying images based on a user-input date through NASA API calls with caching. Employed Docker for image creation, integrating linters, and prettier for code quality.

Student Survey Application-V1 🔗   **GMU**

- Crafted a student survey application with an Angular-based front end and a Spring Boot platform for the back end, utilizing RESTful Web Services and JDBC. Leveraged MySQL DB to efficiently store student data.

Student Survey Application-V2 🔗   **GMU**

- Designed a React and Node.js app with an HTML & CSS survey form, utilizing MySQL on AWS RDS for data storage. Dockerized front and back ends, followed by Kubernetes deployment via Rancher on AWS EC2, enhancing scalability and efficiency.

COURSEWORK

Data Structure and Algorithms
UNIX
System Design
Developing Web Apps
Data Mining
Linear Algebra
Software Development Methodologies
Artificial Intelligence

INTERESTS

Travelling
Hiking
Painting
Nutrition
Fitness
Photography
Gardening