Raju Yallappa

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SUMMARY

- Experienced full stack developer with profound knowledge on web development, aspiring to learn & be a part of developing best-in-class applications by adopting successful software methodologies & best practices.
- Strong working experience with creating highly-performant, optimized websites, feel free to review my works in projects section.

EDUCATION

Master of Science in Computer Science   **01/ 2021 – 05/ 2022**

Wichita State University, Wichita, KS, USA.

Bachelor of Engineering in Computer Science & Engineering   **08/ 2016 – 05/ 2020**

Reva University, Bangalore, KA, IN.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript.
- **Front-end:** ReactJS, Redux, JS ES6, TypeScript, Selenium, Webpack, HTML5, CSS3, AJAX, jQuery, SASS, LESS, BeautifulSoup.
- **Database Management:** Oracle SQL, PostgreSQL, Microsoft SQL Server, Non-Relational (MongoDB)
- **Back-end:** NodeJS, Flask, GraphQL, Spring, Firebase.
- **Tools:** Visual Studio code, Git, AWS, MS SQL Server, GCP, Jira, Jenkins, Git bucket, Swagger, Docker, Eclipse, Jupyter, Google Colab, Adobe Photoshop.
- **Machine Learning:** OpenCV2, TensorFlow, NLP, Image Analysis, TensorFlow, NLP models.

EXPERIENCE

Wichita State University, Wichita, KS, USA.   **08/2021 – Present**

Graduate Research Assistant [Python | Selenium | Automation | Microsoft Azure | Microsoft SQL Server | Cloud-Computing]

- Developed a web scraping tool using Selenium to find fraudulent hotel reservations & deployed it on a High-performance Computing machine (HPC) to achieve multithreading & parallel processing which increased the speed by > 20%.
- Used Java Spring to implement an API & pushed > 100000 rows of data parsed from web scraping into MySQL database.
- Worked on Twitter Research Tools which enabled collecting streaming Twitter data, cleaning the data, & pull the critical insights through clustering, mapping & descriptive & analysis of the data.
- Proctored & graded exams, fixed various software issues & educated students with web development.
- Created a pipeline to automate data collection & pre-processing on HPC remote machine reducing the time complexity > 50%.

Rakuten, Bangalore, India.   **01/ 2020 – 01/ 2021**

Full Stack Developer [ReactJS | Redux | Spring | Java | Junit |Mockito | Enzyme | webpack | micro-services | CI/CD pipeline]

- Developed SDLC Dashboard using ReactJS, Redux & Java Spring which automates the entire SDLC life cycle & provides visualization of critical data which enabled stakeholders to forecast and improve the future sales.
- Identified the risk & integrated JWT based SSO login for user authentication & provided the customized privileges.
- Reduced the application load time by > 15% by integrating webpack, lazy loading & code splitting.
- Involved with the team to create SQL schema, business logic & APIs using Spring framework programmed in Java.
- Created test cases using unit testing framework, Junit as part of Test-Driven Development (TDD) to handle more than 100,000 user data.
- Reduced > 10-man hour every month by automating the complete release cycle into a single page application (SPA).
- Developed project spec questionnaire to identify stakeholder needs & streamline the project's development process.
- Followed code reviews & clean code principles, which enabled seamless integration of UI & APIs and deploying in CICD pipeline.

PROJECTS

- **COVID-19 tracker -** ReactJS, Firebase, SQL, HTML5, CSS3. - *[website](#)*
- **Photogram -** ReactJS, NodeJS, Firebase, SQL, HTML5, CSS3. - *[website](#)*
- **Books App** - Spring Framework, Java, Hibernate, SQL, Eclipse. - *[github](#)*
- **Object Detection** – ReactJS, TensorFlow, Canvas, HTML5, CSS3. **-** *[website](#)*
- **YouTube Clone** – ReactJS, HTML5, CSS3, JavaScript. - *[website](#)*
- **Predicting Heart Disease –** SVC, Random Forest, Kneighbors Classifier, Standard Scalar, Logistic Regression. - *[github](#)*

AWARDS & CERTIFICATIONS

- **SPOT** award for Excellence from **Rakuten**.
- **AWS Cloud Practitioner** certification.
- **Modern React with Redux** certification.
- **Mastering Data Science & ML** certification.

RELEVANT COURSEWORK

Advanced Algorithms/Analysis | Human Computer Interaction | Mobile Web Development |Machine Learning | Image Analysis and Comp Vision | Operating Systems | Computer Architecture | Object Oriented Programming – Java | Database Management System.