# Raju Yallappa

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## SUMMARY

- Experienced full stack developer with extensive understanding of web development, aspiring to learn & be a part of developing best-in-class applications by adopting successful software methodologies & best practices.
- Design, develop, maintain & optimize secure & scalable web applications, web services.
- Hands on experience with ReactJS & Redux, APIs with micro-services using Spring & NodeJS, debugging applications, automation testing with selenium, git version control & deploying the application using Jenkins CI/CD.
- Strong knowledge in data structures such as arrays, stacks, queues, linked list, trees & OOPS concepts.

## EDUCATION

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

Wichita State University, Wichita, KS, USA. **CGPA – 3.58**

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

Reva University, Bangalore, KA, IN. **CGPA – 3.6**

## SKILLS

- **Programming Languages:** Python, Java, JavaScript.
- **Front-end:** ReactJS, Redux, JS ES6, TypeScript, Selenium, Webpack, HTML5, CSS3, BeautifulSoup.
- **Back-end:** NodeJS, Flask, GraphQL Spring, Firebase.
- **Database Management:** MySQL, MongoDB.

- **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, MobileNet, CNN, Image processing.

## EXPERIENCE

**Graduate Research Assistant - Wichita State University, Wichita, KS, USA - Business School**          08/2021 – Present

- 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 machine every 5 hours.

**Software Engineer – Rakuten, Bangalore, India - Full Stack Developer**                                01/ 2020 – 01/ 2021

- Developed Business Review Dashboard using ReactJS, Redux & Java Spring which automates the entire SDLC life cycle.
- Identified the risk & integrated JWT based SSO login for user authentication & provided the customized privileges.
- Collaborated with web design team to create user-friendly web designs & high-quality web experiences.
- Involved with the team to create SQL schema, business logic & APIs using Spring framework programmed in Java.
- Saved > 10-man hour every month by automating the complete release cycle into a single page application (SPA).
- Performed unit testing with JEST, Enzyme & Mockito framework to ensure the quality of web services.
- Reduced the application load time by > 15% by integrating webpack, lazy loading & code splitting.
- Developed project spec questionnaire to identify stakeholder needs & streamline the project's development process.
- Followed code reviews & clean code methodologies, which enabled seamless integration of UI & APIs.

## 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.