

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.
- Identify business needs, design wireframes, review with stakeholders & develop them into usable components.
- Hands on experience with ReactJS, NodeJS, Spring, Python, JEST, GraphQL, Agile Development, 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, JS.
- **Front-end:** ReactJS, Redux, JavaScript, TypeScript, Selenium, Webpack, HTML5, CSS3, BeautifulSoup.
- **Back-end:** NodeJS, Flask, Spring, Firebase, JSON.
- **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 which increased the speed by > 20%.
- Used python Flask to implement an API & pushed > 100000 rows of data into MySQL database collected consistently every day for 2 months via web-scraping tool.
- Proctored & graded exams, fixed various software issues & educated students with data mining techniques.
- Streamed live data from Twitter API & performed binary classification & sentiment analysis using NLP models such as BERT, RoBERTa, GPT-2, & T5 on airline's customer reviews.
- Automated data collection using a script that triggers an event on HPC machine every 5 hours.

Software Engineer – Rakuten, Bangalore, India - Full Stack Developer

01/ 2020 – 01/ 2021

- Developed front-end for SDLC Dashboard which automates the entire SDLC life cycle & provides visualization of releases such as risk monitoring, ROI, & AppScan allowing stakeholders to forecast and improve sales > 5%.
- Identified the risk & integrated JWT based SSO login for user authentication & provided the customized privileges.
- 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).
- Reduced the application load time by > 15% by integrating webpack, lazy loading & code splitting.
- Followed code reviews & clean code methodologies, which enabled seamless integration of UI and APIs and performed unit testing with Mockito framework to ensure the quality of back-end micro services.
- Collaborated with the team to implement release score algorithm by taking critical inputs directly from stakeholders allowing the release manager to make an informed decision which improved release & code quality.

PROJECTS

- **COVID tracker** - ReactJS, Firebase, SQL, HTML5, CSS3. - [website](#)
 - Web application for tracking various information related to covid-19.
- **Photogram** - ReactJS, NodeJS, Firebase, SQL, HTML5, CSS3. - [website](#)
 - React web application that showcases my photos & encourages people to share their own intriguing photos.
- **Books App** – Spring Framework, Java, Hibernate, SQL, Eclipse. - [github](#)
 - Application developed using Java Spring, includes futures like GET, POST, UPDATE & DELETE.
- **Twitter Research tools** - Mapping, Clustering, Sentiment Analysis, Topic-Modeling - [github](#)

AWARDS & CERTIFICATIONS

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