

Raj Jayesh Vora

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EDUCATION:

University of Florida, FL, USA

August 2022 – May 2024

Master of Science in Computer Science

Mumbai University, Mumbai, India

August 2016 – October 2020

Bachelor of Technology in Computer Engineering

EXPERIENCE:

Software Engineer, University of Florida (Human Motor Neuroscience Lab), Gainesville, FL **February 2024 – Present**

- Created 3 Flutter apps for recording neuromuscular and audio information, innovating data collection methods.
- Designed responsive mobile UIs in Figma with 15+ screens, prioritizing user experience and patient navigation.
- Integrated 10+ REST APIs employing Laravel backend, ensuring reliable collection and consistency with SQL database.
- Leveraging AWS Amplify for seamless data integration, built a NextJS dashboard for patient onboarding.
- Conducted user testing to refine features, applying object-oriented principles and user interaction refinements.

Web Application Developer, Media.net, Mumbai, India

January 2022 – July 2022

- Spearheaded and remediated API proxy service to manage and reduce page load time by 50%.
- Implemented 7 data pipelines using Spring and Elasticsearch, improving data processing stream efficiency by 20%.
- Devised 3 logging infrastructures visualized using Apache Kafka to increase logs availability and integrity by 25%.
- Refined the ad pixel tracking workflow using Logstash and Spring boot, leading to a 20% increase in revenue.
- Designed interactive dashboards in Kibana to visualize parameters and generate insights for decision-making.
- Configured and updated 6 Kubernetes clusters for APIs and backend servers, enhancing load balancing.

Associate Web Developer, Media.net, Mumbai, India

January 2021 – December 2021

- Migrated CakePHP from singleton to factory pattern, cutting load time by 500ms and boosting revenue by 10%.
- Maintained a hybrid web architecture integrating WordPress and CakePHP, ensuring seamless functionality across 700+ ad-driven websites.
- Enhanced internal dashboard built in React.js by creating 5 streamlined workflows to improve operational efficiency.
- Coordinated system architecture development to serve CakePHP websites utilizing multiple micro-services.
- Optimized page load times by 800ms through implementation of Redis caching, resulting in improved performance.

Full Stack Development Intern, Halara Labs Pvt Ltd, Mumbai, India

June 2020 – July 2020

- Conducted mobile application development in Flutter for and utilized MongoDB for efficient data storage.
- Developed 3 functional pages for player ranking, user profile and in-app wallet and incorporated 2 mini-games.
- Architected 15 server-side APIs with Node.js to efficiently handle data processing for corresponding mini-games.

Android Development Intern, K J Somaiya College of Engineering, Mumbai, India

March 2019 – July 2019

- Led a team of 3 to develop an application that benefits 15% of the differently abled population.
- Created Android Application for color-blind people to assist in selecting their daily outfits.
- Deployed a Python API to analyse camera images and identify the predominant color from a dataset of 150 colors and presented this work at the National Conference on Disability, Accessibility, Inclusion, and Well-being 2019.

SKILLS:

Languages & Frameworks: Python, JavaScript, PHP, TypeScript, Java, React, Laravel, Flask, Django, Spring

CI/CD: AWS, GCP, Kubernetes, Docker, ArgoCD, Jenkins, GitHub Actions, Next.js

Frontend & Web Development: Angular, CakePHP, Redux, Webpack, ReactJS, Flutter, Figma

Data & Streaming: Apache Kafka, Elasticsearch, Logstash, Grafana, GraphQL, PostgreSQL, Prometheus, Sentry

Certifications: JavaScript Essentials, Full Stack Development, Building a Website with Laravel, React.js, and Inertia

PROJECTS:

URL Shortener (React, Express, PostgreSQL)

- Innovated a URL shortener web application to shorten long URLs as well as manage analytics of URL clicks.

Beam (NodeJS, Express, MongoDB, EJS, jQuery, Chrome Developer Tools)

- Engineered a Chrome extension to share streaming accounts without revealing passwords, ensuring data privacy.

Smart Lock (Dart, Flutter, Firebase, IoT, Python)

- Projected a smart lock system using Near Sound Data Transfer for secure home access, highlighting IoT innovation.

Travnal (JavaScript, Angular, NodeJS, ExpressJS, MongoDB)

- Built a social media platform tailored for travellers, focusing on an intuitive user interface and scalable architecture.