

# Raj Jayesh Vora

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## EDUCATION:

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<b>University of Florida</b> , FL, USA	<b>Aug 2022 – May 2024</b>
Master of Science in Computer Science	
<b>K J Somaiya College of Engineering</b> , Mumbai, India	<b>Aug 2016 – Oct 2020</b>
Bachelor of Technology in Computer Engineering	

## EXPERIENCE:

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**Software Engineer**, University of Florida (Neuromuscular Physiology Lab), Gainesville, FL **Feb 2024 – Present**

- Created 3 Flutter apps to recording and analysing neuromuscular information, innovating data collection methods.
- Designed a responsive mobile UI in Figma with 15+ screens, prioritizing user experience and patient navigation.
- Integrated 10+ REST APIs employing a PHP backend, ensuring reliable collection and consistency with SQL database.
- Leveraging AWS Amplify for seamless data integration, built a React-based 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 **Jan 2022 – Jul 2022**

- Spearheaded an API proxy service using AWS Lambda and API Gateway, reducing 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, 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 **Jan 2021 – Dec 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 500ms through implementation of Redis caching, resulting in improved performance.

**Full Stack Development Intern**, Halara Labs Pvt Ltd, Mumbai, India **Jun 2020 – Jul 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.
- Engineered 15 server-side APIs in Node.js with Cognito-authenticated endpoints for handling game data processing.

**Android Development Intern**, K J Somaiya College of Engineering, Mumbai, India **Mar 2019 – Jul 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:

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

**Cloud & DevOps:** AWS(Lambda, Amplify, API Gateway, Cognito), Docker, ArgoCD, Jenkins, GitHub Actions

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

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

**Certifications:** JavaScript Essentials, Full Stack Development

## PROJECTS:

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**GatorTaxi** (Python, MySQL)

- Coded a ride-sharing software handling up to 2000 ride requests, implementing min-heap and Red-Black Tree.

**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, EJS, Angular, NodeJS, ExpressJS, MongoDB)

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