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:

Full Stack Engineer, University of Florida (HMN Lab), Gainesville, FL   **February 2024 – Present**
- Innovated 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 data processing and modelling.
- 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.
- Drafted 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**
- Enhanced app performance and user experience using Flutter and utilized MongoDB for efficient data storage.
- Improved user engagement by developing player ranking, user profile pages, and incorporated 2 mini-games.
- Architected 15 server-side APIs with Node.js resulting in faster data retrieval and improved game performance.

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

PROJECTS:

Cache Up (MCP, OpenAI, NextJS, Flutter, Docker, Vercel, Fast API)
- Innovated a project that summarizes Hacker News posts into concise briefs using end-to-end MCP automation.

URL Shortener (React, Express, PostgreSQL)
- Projected a URL shortener web application to shorten long URLs as well as manage analytics of URL clicks.

Expense Manager (HTML, CSS, Javascript, PHP, MySQL)
- Engineered a web app with OCR that helps streamline expense tracking and management for individuals and groups.

Travnal (AngularJS, NodeJS, ExpressJS, MongoDB)
- Built a social media platform tailored for travellers, focusing on an intuitive user interface and scalable architecture.