

RAGAVENDRAN HARIKRISHNA

Software Engineer | Backend Development | Node.js Proficiency | MongoDB Expertise

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Summary

Software engineering professional with 7.5 years of experience in frontend and backend development, expert in React.js and RESTful APIs. My key achievements include leading the development of AI-powered category recommendations that reduced API latency by 35%, and engineering a real-time messaging pipeline that cut message latency by 40%. Seeking a Senior Frontend Software Engineer position at Comcast, where I bring my frontend engineering and cloud solution skills to support your mission of creating innovative entertainment and online experiences for millions of customers.

Key Achievements

Technical Leadership Success

Led a team enhancing system performance, achieving a 35% reduction in API latency using React.js.

React.js Performance Boost

Implemented React.js solutions, supporting over 10,000 users while improving response times by 40%.

Developer Mentorship Initiative

Mentored developers in React.js fundamentals, leading to a 50% improvement in code quality metrics.

Technical Skills

Languages: JavaScript, Python, HTML, CSS3

Databases & Cloud: MySQL, Postgres, Redis AWS,GCP

Tools & Frameworks: React JS · Nodejs · Next.js · Figma · Terraform · Redux

Concepts: Data Structures · Algorithms · RESTful APIs · Microservices · Infrastructure as Code · CI/CD

Experience

Altimetrik

Chennai, India

Senior Product & Platform Engineer

03/2022 - Present

- Led development of AI-powered category recommendations using Node.js on AWS Lambda, reducing API latency by 35% via caching strategies with API Gateway and CloudFront.
- Automated scalable AWS provisioning using Terraform infrastructure-as-code for repeatable environment setup.
- Integrated schema markup into a **Next.js** platform to boost SEO visibility and increase organic traffic.
- Engineered infinite scrolling and pagination using **SSR** and **GraphQL** in **Next.js**, enhancing Google crawlability.
- Refactored a React.js-based mail module for an internet banking system, streamlining user communications.
- Mentored three or more junior developers by leading code reviews, deployment sessions, and fostering engineering best practices.

Codenatives

Chennai, India

Senior Software Engineer

07/2020 - 03/2022

- Engineered a real-time messaging pipeline with Google Cloud Pub/Sub and WebSockets, reducing message latency by 40%.
- Streamlined system throughput by 20% by integrating Redis caching in high-load environments.
- Established secure Node.js middleware for JWT and AI-based access control.
- Implemented AWS Cognito Authentication flows supporting email and social logins.
- Enhanced HR dashboard by extending Python scraping scripts to optimize data ingestion.

Stanzatek Solutions

Bangalore, India

Software Developer

06/2018 - 06/2020

- Modernized backend performance by 30% by optimizing PHP and MySQL APIs for employee management systems.
- Enhanced server uptime by 20% by designing a Python service for automatic server recovery.
- Launched data-rich admin dashboards using jQuery and integrated interactive charts.
- Created a Progressive Web App (PWA) for quiz delivery, deployed on Google Play Store for cross-platform learning.
- Initiated email automation tools using PHP Mailer for scalable campaign delivery.

Projects

SEO OPTIMIZATION FOR ECOMMERCE PLATFORM

- Increased organic traffic by **15%** and category rankings by **20%** by deploying JSON-LD schema and validation scripts.
- Tech Stack: Node.js, Python, GraphQL, AWS Lambda, S3 bucket, Terraform.

AUTOMATED MAILING AND RENEWAL MANAGEMENT FOR CHINESE NEW YEAR

- Launched a scalable mail feature for B2C communication, built a digital currency voucher system for promotions, and developed a validation script for SEO optimization.
- Boosted marketing engagement by **20%**, uplifted user participation by 30% with over 10,000 customers, and strengthened organic traffic by 15%, driving measurable revenue growth.
- Tech Stack: React.js, Node.js, Python, GraphQL, AWS Lambda.

SPORTZAG

- Built the communication layer for sporting, a real-time social commerce platform supporting **1,000+** concurrent users.
- Enabled instant user engagement, driving a 40% increase in customer interactions while monitoring and optimizing success rates, response times, and error rates.
- Tech Stack: React.js, Node.js, Google Cloud Platform (GCP), HTML/CSS.

Digitiv

- Optimized Digitiv, a leading podcast platform, enhancing real-time engagement and performance.
- Multiplied audience reach by 25% and revamped platform performance by 30%, using listener insights to drive content strategies and boost retention.
- Tech Stack: Google Cloud Platform (GCP), BigQuery.
- Developed and maintained the Employment Management System (EPM) to streamline employee data and HR processes.
- Elevated data management efficiency and enabled faster HR operations, enhancing overall workforce administration. Tech Stack: PHP, MySQL, jQuery.

Net Scholar

- Improved quiz participation by 30% through developing Net Scholar, a responsive PWA with offline access.
- Hardened system efficiency by 20% by integrating PHP, MySQL, and HTML/CSS.

Skills

Predictive Analytics · Cybersecurity · MLOps · Docker · Kubernetes · Azure · IBM Cloud · Dynatrace · Jenkins · GitLab CI · GitHub Actions · Ansible · CloudFormation · Serverless · Java · ML Algorithms · Dataflow · Google BigQuery · Critical Thinking · Resilience · Leadership · Teamwork · Continuous Learning · Creativity · Decision-Making · Svelte · Angular · Vue.js · Ember.js · Ruby on Rails · Coaching · MongoDB · Agile · Scrum · Test-Driven Development · Unit Testing · Punctual · Integrity · Project Management

Education

Jeepiaar Engineering College
B-Tech Information Technology

05/2013 - 05/2017

Certification

Introduction to AI and Generative AI for Everyone — Google — Foundational course covering AI concepts including ML and neural networks.

Generative AI for Everyone — Authorized by DeepLearning.AI — introduction to generative AI concepts and techniques

Publications

IJISRT25OCT239 — [Link](#)

SPEAK SEARCH SHOP - A SMART VOICE INTERACTION MODEL FOR MODERN E-COMMERCE