Ragavendran H

Senior Product And Platform Engineer

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Summary

Full-stack engineer with **7+** years' experience designing and delivering scalable, cloud-native platforms in fintech, e-commerce, and healthcare. Adept in **Node.js, React.js, and AWS**, with proven success in building microservices, automating infrastructure (Terraform), and leading engineering teams. Passionate about clean architecture, CI/CD, and performance optimization in distributed systems.

Technical Skills

- **Languages:** JavaScript, Python, HTML, CSS3
- **Databases & Cloud:** MySQL, MongoDB, Postgres, Redis, AWS, GCP
- **Tools & Frameworks:** React.js, Next.js, Node.js, Figma, Redux, Terraform
- **Concepts:** Data Structures, Algorithms, RESTful APIs, Microservices, Infrastructure as Code, CI/CD

Experience

Senior Product And Platform Engineer, ALTIMETRIK, Chennai   Mar 2022 - Present

- Spearheaded 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 3+ junior developers** by leading code reviews, deployment sessions, and fostering engineering best practices.

Senior Software Engineer, Codenatives – Chennai   Aug 2020 - Mar 2022

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

Software Engineer, Stanzatek Solutions – Bangalore   July 2018 - Aug 2020

- Improved backend performance by **30%** by optimizing **PHP & MySQL** APIs for employee management systems.
- Designed a **Python service** for automatic server recovery, ensuring high uptime.
- Developed 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.
- Developed email automation tools using **PHPMailer** 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%**, increased user participation by **30%** with over **10,000** customers, and improved organic traffic by **15%**, driving measurable revenue growth.
- Tech Stack: React.js, Node.js, Python, GraphQL, AWS Lambda.

SPORTZAG

- Built the communication layer for **SportZag**, 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.
- Increased audience reach by **25%** and improved platform performance by **30%**, using listener insights to drive content strategies and boost retention.
- Tech Stack: Google Cloud Platform (GCP), BigQuery.

EPM

- Developed and maintained the Employment Management System (EPM) to streamline employee data and HR processes.
- Improved data management efficiency and enabled faster HR operations, enhancing overall workforce administration.
- Tech Stack: PHP, MySQL, jQuery.

NetScholar

- Developed NetScholar, a Progressive Web App (PWA) quiz platform for students to practice multiple-choice questions.
- Enhanced student engagement and learning efficiency with offline access and responsive design, improving quiz participation rates.
- Tech Stack: PHP, MySQL, HTML/CSS.

Education

Jeppiaar Engineering College, B-Tech in Information Technology   August 2013 – May 2017

- GPA: 7.8/10
- **Coursework:** System Design, Operating System, Data Science, Database Management

Achievements

- Received the **Gem Award**, recognizing exceptional impact and excellence in project delivery.
- Received the **Rise and Shine Award** at DBS for exceptional initiative and performance.
- Consistently recognized as a **Top Performer** for exceeding expectations and delivering high-impact results.

Soft Skills

- **Methodologies & Practices**: Agile, Scrum, TDD, Code Reviews, Team Mentorship.
- **Team Mentorship**: Mentored junior engineers while fostering a culture of collaboration, ownership, and continuous learning through regular code reviews and knowledge-sharing sessions.