RAMANAND BHAGAT

Backend Software Engineer | Microservices | Python | Node.js | Distributed Systems | Cloud & CI/CD
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LinkedIn|**GitHub**|**Portfolio**

Summary

Backend-focused Software Engineer with 4+ years of experience architecting and scaling high-performance systems at Cricbuzz and fast-paced startups. Specializes in microservices, API design, and distributed systems with deep expertise in Python, Node.js, and AWS. Proven ability to optimize performance, enhance reliability, and deliver scalable backend solutions serving millions of global users.

Key Achievements

- Boosted user engagement by 45% by architecting and launching a **real-time live streaming system**.
- Migrated **100+ APIs** from a monolith to Python/Node.js **microservices with zero downtime**.
- Reduced **API latency by 40%** and **DB load by 60%** through **Redis caching and query optimization**.
- Automated **CI/CD pipelines** using **CircleCI + Docker**, accelerating deployment frequency by **2×**.
- Engineered **multilingual architecture**, expanding userbase by 30% globally.
- Strengthened **system uptime and reliability**, ensuring 99.9% availability during high-traffic events.

Professional Experience

Software Engineer at Cricbuzz
Nov 2022 - Present | Bangalore

- Architected and developed **real-time live streaming modules**, boosting user engagement by 45% across millions of active sessions.
- Decomposed **monolithic architecture into 8+ microservices**, enhancing scalability, maintainability, and service isolation.
- Implemented **Redis caching and optimized SQL queries**, achieving 40% lower response latency and 60% DB load reduction.
- Built and **automated CI/CD pipelines (CircleCI + Docker)**, cutting release cycles by half.
- Managed **AWS S3 and EC2 infrastructure for media storage** and high-availability deployments.

Software Engineer at Adnabu
Oct 2021 - Jul 2022 | Remote

- Engineered **multilingual architecture** across core SaaS products, expanding market reach by 30%.
- Optimized **Celery-based asynchronous job queues**, improving processing throughput by 25%.
- Developed **distributed Redis caching (write-through + cache-aside)** to enhance data reliability.
- Delivered **50+ product enhancements** based on customer insights, driving higher engagement and satisfaction.
- Built **React-based admin dashboards** integrated with **RESTful APIs** for operational analytics and monitoring.

Web Developer Intern at Noesis.Tech
Jul 2020 - Sep 2020 | Remote

- Developed and deployed custom **PHP/WordPress CMS platforms,** gaining hands-on experience in backend development, API integration, and client delivery.

Technical Skills

- **Languages:** Python | Node.js | JavaScript | TypeScript | C++ | PHP | Java
- **Frameworks:** Django | DRF | Express.js | Loopback | React | Next.js | Angular | Vue
- **DevOps & Tools:** Docker | AWS (S3, EC2) | CircleCI | GitHub Actions | Nomad | CI/CD Automation
- **Databases:** MySQL | PostgreSQL | MongoDB | MariaDB | Redis
- **Concepts:** Microservices Architecture | Distributed Systems | REST API Design | Scalability | Caching | OOP | DSA

Projects

- **Code Quixotic:** Designed a full-stack learning platform with Django + DRF featuring blogs, coding modules, and a live code editor; implemented **user authentication**, **session handling**, and **real-time execution**.
- **Code Editor:** Built a browser-based IDE for **HTML/CSS/JS** with **real-time preview** using jQuery.

Education

- B.E. in Information Technology - Birla Institute of Technology, Mesra (July 2016 - July 2020)