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

- Led backend architecture and performance initiatives impacting millions of users, delivering measurable gains in **reliability, latency, and scalability**.
- Drove system-level optimizations across **microservices, caching, and CI/CD pipelines, significantly reducing infrastructure load and deployment time**.
- Built and published **FormBlink,** a **Chrome extension automating complex multi-section form** workflows using visual tagging and intelligent field mapping.

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.
- Designed and implemented **Redis caching and optimized SQL queries**, achieving 40% lower response latency and 60% DB load reduction.
- Owned 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

- Built prototype **Instagram AR (Augmented Reality) filters and interactive mini-games**, including a blink-controlled game where character movement responded to **real-time facial gestures**.
- Gained practical experience with **AR filter development, creative coding, and real-world application workflows**.

Technical Skills

- **Languages:** Python | Node.js | JavaScript | TypeScript | C++ | PHP | Java
- **Frameworks:** Django | DRF | Express.js | Loopback | React | Next.js | Angular | Vue
- **Testing:** Jest | PyTest | UnitTest | TDD
- **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 | Scalability | Caching | OOP | DSA

Projects

[FormBlink](#) - Chrome Extension

- Built and published a Chrome extension that automates complex and repeating web form filling using visual DOM tagging and intelligent field matching.
- Implemented content-script–based section detection, dynamic block handling, and privacy-first local data storage.
- Passed Chrome Web Store review, complying with permissions and privacy guidelines.
- Designed the extension end-to-end, including UX flow, permission auditing, and Chrome Web Store compliance.

[Code Quixotic](#) - Interactive Learning Platform

- Built a full-stack interactive learning platform with separate Django-based frontend and backend projects.
- Implemented a live in-browser code editor allowing users to write HTML, CSS, and JavaScript and preview results instantly.
- Designed REST-style interactions between frontend and backend for content delivery and execution flow.
- Deployed and maintained the application using modern hosting workflows.

Education

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