HARI HARA BUDRA P

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PROFESSIONAL SUMMARY

Early Career Backend Engineer with a B.Tech in AI & Data Science and hands-on experience in building **scalable distributed systems**. Proficient in **Java** and **Python**, with a strong focus on backend architecture, database optimization, and cloud-native solutions. Experienced in developing fault-tolerant applications using **AWS**, **Redis**, and asynchronous task processing. Adept at handling ambiguity to deliver production-quality software in Agile environments.

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript (ES6+), SQL.
- **Backend & Distributed Systems:** REST APIs, Microservices, Celery (Task Queues), Distributed Computing, Rate-limiting.
- **Cloud & Infrastructure:** AWS (Lambda, S3), Docker, CI/CD Pipelines, Git (Version Control).
- **Databases & Caching:** PostgreSQL, MongoDB, Redis (Distributed Caching), Database Schema Design.
- **CS Fundamentals:** Data Structures & Algorithms, Object-Oriented Design (OOD), Complexity Analysis, Multi-threading.

PROFESSIONAL EXPERIENCE

SYSTITSOFT SOLUTIONS | *Software Developer*   Jul 2025 – Dec 2025
- Scalable web applications required end-to-end development with a focus on seamless frontend-backend integration.
- Led development of production-quality apps using **React.js** and **Python**, implementing efficient state management and backend logic optimization.
- Enhanced application performance by **30%** and utilized Git-based workflows to maintain high software quality and meet project deadlines.

ZOHO CORPORATION (MANAGEENGINE) | *Software Developer Intern*   Apr 2025 – Jun 2025
- Engineering teams required automation for repetitive workflows within a high-latency multi-tiered architecture.
- Developed an internal productivity tool using **Java** and **PostgreSQL**, optimizing database query performance and backend schema design.
- Achieved a **40% reduction in latency** for data-intensive operations and ensured high availability through rigorous code reviews and Agile collaboration.

KEY PROJECTS

ApplyVortex - Distributed Automation Platform   Live Link | GitHub
- Accomplished an **80% reduction in manual effort** by architecting a **fault-tolerant** backend using **Python, FastAPI, Redis, and Celery** to handle high-volume asynchronous tasks.
- Optimized system reliability during high-concurrency by implementing **Distributed patterns** including "Circuit Breakers" and rate-limiting.

CloudDrive - AWS-Powered Cloud Storage Platform   Live Link | GitHub
- Accomplished secure, high-speed file transfers for 100% of binary data measured by system throughput by integrating **AWS S3** with **pre-signed URLs** to offload traffic from the Node.js server.
- Optimized directory traversal speeds by 35% as measured by API response times by designing a nested **parent-child indexing schema** in **MongoDB**.
- Enhanced user security and session persistence as measured by auth-flow reliability by engineering a two-step verification workflow and **JWT-based session management**.

TestCo - Serverless Test Management System   GitHub
- Enabled scalable code execution for 100+ concurrent test cases by leveraging **AWS Lambda** and **Docker** to build a serverless engine.
- Reduced manual reporting time by 30% through a centralized management platform built with **MongoDB, Express, and Node.js**.

EDUCATION

Bachelor of Technology, Artificial Intelligence and Data Science   2021 – 2025
Rathinam Technical Campus, Coimbatore, India | *CGPA: 7.87*
Relevant Coursework: **Distributed Systems, Data Structures & Algorithms, OOP, DBMS, OS**.

ACHIEVEMENTS

- **Innovation:** Shortlisted in Top 15 at **Volkswagen iMobilithon 2024** for designing scalable technical solutions.
- **Agility:** Secured Runner-up at **PSG iTech Hackfest 2024** for building prototypes under tight deadlines.