

**Sriharsha Ramachandra**

sriharshar.471@gmail.com | +91 97910 18885 | [LinkedIn](#) | [GitHub](#)

---

## CORE TECHNICAL SKILLS

**Languages:** Java, Python, Node.js, Javascript, Typescript, Go, C++

**Frameworks:** Spring Boot, NestJS, FastAPI, Django, React.js, Angular, Vue.js,

**Cloud:** AWS (IAM, Lambda, ECS, EC2, S3, RDS), GCP (Workflows, Firebase), Terraform

**AI/ML:** LangChain, OpenAI Whisper, Polly, Transformers, PyTorch, TensorFlow, Scikit-learn

**Tools:** GitHub Actions, Jenkins, Docker, Kubernetes, Datadog, New Relic, Vault

**Databases:**

- Leveraged A/B testing pipeline leveraging DVC and Kappa statistical analysis, boosting model efficacy by fine tuning and achieving top 10 ranking in internal hackathon for innovative approach.
- Orchestrated serverless architecture migration leveraging AWS Lambda and SQS, resulting in a 40% reduction in infrastructure costs and a 25% improvement in application response time.
- Spearheaded the development of a knowledge center leveraging LLMs and Gen-AI to categorize xml article content, boosting SEO traffic by 62% and enhancing user engagement by improving content discoverability.
- Catalyzed the creation of the sentiment analysis dashboard, that processed 500 reviews daily, and identified findings to fix the three biggest causes of crashes, with a single sprint.
- Automated EPUB enhancement using Node js, AWS Bedrock and Claude LLMs, creating a pipeline to segregate images, equations, code blocks, scriptures, and text, processing 100 articles weekly.
- Elevated code quality across team by implementing static analysis tools and conducting over 100 code reviews, leading to a 30% reduction in critical production incidents.

### **Lead Engineer, Co-Founder**

*RQB Technologies | Jan 2021 – Aug 2022*

- Converted legacy social platform to microservices using Java 17, RabbitMQ, and Angular.
- Created a Job Management Service by integrating distributed banking systems, resulting in enhanced system monitoring and real-time alerts, decreasing issue identification time by 25%.
- Architected scalable data infrastructure to support rapid growth of Coin wallets, handling 2M+ daily transactions with 99.99% uptime that improved user experience.
- Re-architected a slow, memory-heavy Spring Boot webhook (4–5s latency, heap growth causing outages) into an event-driven, two-step pipeline on AWS. A lightweight Lambda now receives the call and asynchronously triggers a compute Lambda/API for data-intensive processing, with SQS (+ DLQ) for retries and deadlocks. Result: faster acknowledgements, stable memory, and scale to ~10M webhook calls.
- Engineered scalable media features like “Reels” using Cassandra and region-based popularity algorithms.
- Pioneered a Go-based video transcoding solution and seamlessly connected with adaptive streaming technologies, reducing video storage costs by 40% through optimized compression algorithms.
- Implemented crypto wallet on SKALE-USDC blockchain (60M+ transactions) with support for EVM/non-EVM chains.

### **Lead Consultant - Technology**

*TechChefs | Jun 2020 – Jan 2021*

- Captained command-line interface (CLI) tools, cutting down data migration times by 50% and slashing CI/CD pipeline errors by 25% for enhanced software reliability.
- Constructed and validated 15+ mock services with NestJS and Postman, accelerating integration testing cycles by 40% and enabling parallel development across distributed teams.
- Spearheaded the team's shift to Test-Driven Development (TDD) and promoted robust design documentation, leading to a 20% decrease in code rework and improving overall software quality.

## **Application Engineer**

*DXC Technologies | Jun 2018 – Feb 2019*

- Rebuilt legacy desktop applications by migrating to modern Angular-based SPAs, resulting in 60% faster loading times and a 40% increase in user engagement across all segments.
  - Automated validation of SOAP-XML contracts and error detection in data pipelines.
  - Pioneered RESTful API adoption and service modularization.
- 

## **EARLY CAREER**

### **Project Lead – Tata Consultancy Services**

*Jul 2015 – Mar 2018* - Directed migration from Java 6 to Java 8 and Monolith to Microservices. - Introduced REST APIs and trained teams on SOLID principles.

### **Module Lead / Software Developer – Tata Consultancy Services**

*Sep 2010 – Jul 2015* - Automated deployment processes and implemented high-reliability scripts. - Recognized with Star of the Quarter award and Best Team award.

---

## **EDUCATION & CERTIFICATIONS**

### **M.Tech in Artificial Intelligence and Machine Learning (In Progress)**

Birla Institute of Technology and Science, Pilani | Nov 2024 – Nov 2026 (Est.)

### **B.Tech in Electronics and Communication Engineering**

Gayathri Vidya Parishad College of Engineering

### **Certifications:**

- AWS Certified Solutions Architect – Associate
- 

## **AWARDS & HIGHLIGHTS**

- **Top Team Award:** Architected NLP-based journal recommender at Taylor and Francis Technology Services LLP

- **Star of the Quarter** at TCS
- **Earned a perfect 100% score** in mathematics evaluations, excelling in statistics and probability which honed expertise in machine learning model optimization and contributed to 15% faster research times.
- **CAT Top 1 percentile** in Logical Reasoning and Quantitative aptitude