SRIJAN MUKHERJEE

Hands-on Engineering Leader & Problem Solver

email: srijmukh070@gmail.com   **phone:** +91-8660685187   **location:** Bengaluru, KA   **github:** https://github.com/sinjar666
linkedin: https://linkedin.com/in/sinjar666

Dynamic and results-oriented engineering leader with over **13 years** of experience in software development and team management. Proven track record in driving product innovation, optimizing engineering processes, and enhancing team performance. Seeking a Senior Engineering Leadership role to leverage expertise in distributed computing, agile methodologies, and cross-functional collaboration to deliver impactful solutions and foster a culture of excellence within the team

EXPERIENCE

Director, Software Development · **VISA Cloud Platform IaaS** · September 2023 – Present · Bengaluru, IN

- Re-architecture of Distributed Execution Engine, moving from an Active-Passive to an **Active-Active dual-writer** AP/CP tolerant hybrid with an in-built Disaster Recovery state machine.
- Led the development of an **MCP** based AI **agent** for taking actions from meeting transcripts. Increased accuracy with structured data using a modified **ReAct** prompting technique.
- Delivered **Zero Downtime MongoDB to MySQL migration at 2000+ QPS** and the development of a highly available event messaging framework.
- Initiated the development of "vPlay," a cloud-based in-browser IDE aimed at reimagining the developer experience and mitigating left-shift inertia, with projected annual savings exceeding **$1M**.
- Established and led a high-performing Bangalore Cloud Platform team of **18 members** (2 Managers + 16 Engineers), fostering collaboration and innovation.
- Oversaw a robust portfolio consisting of **18 microservices and frontends** and 5 SDKs, achieving year-over-year cost savings of approximately ∼**$200M**.
- Strategically positioned VISA's Enterprise Cloud to evolve into a **SaaS offering** as part of a comprehensive 5-year growth plan.
- Championed the elevation of **Generative AI** capabilities and awareness, resulting in a **10% increase in developer productivity** across the VISA Bengaluru Technology Center in Q1-Q2 FY-24.
- Led multiple site-level initiatives and actively mentored 3 employees across various teams and functions, enhancing the leadership quotient and overall technological competence of the Bengaluru Technology Center.

Senior Engineering Manager · **VISA Cloud Platform IaaS** · August 2021 – August 2023 · Bengaluru, IN

- Launched **2 new products** in FY22-23 by repurposing **existing resources**, achieving delivery in early FY-24.
- Developed a team of ∼11 full-stack engineers driving design and development for **10+ services** automating day-2 lifecycle aspects of cloud infrastructure.
- Increased adoption of VISA's Enterprise Server Configuration Management Solution by **400%** from FY-21 to FY-23.
- Reduced **hotfix frequency by 45%** for critical products, achieving success rates >**98%** and SLA adherence >**95%**.
- Contributed **10-15% of code reviews** for oversight and burst capacity.
- Managed project schedules and cost estimations for the portfolio.
- Co-authored **Intellectual Property** with the team.

Staff Full Stack Developer · **VISA Cloud Platform** · Jan 2019 – July 2021 · Bengaluru, IN

- Key owner of the Core UI Platform for CloudView, the portal for VISA's infrastructure provisioning and lifecycle management.
- Led VISA's **hybrid cloud** initiative, focusing on **ESB and Enterprise Gateway Automation** and provisioning services.
- Introduced **HTTP/2 'SPDY'** streams and **Server-Sent Events** as alternatives to REST, driving server-side implementation.
- Mentored junior team members in enterprise coding practices and software architecture.

Senior Full Stack Developer · **VISA Inc** · Feb 2017 – Jan 2019 · Bengaluru, IN

- Developed essential features for **self-service** capabilities in cloud provisioning, focusing on **Kubernetes Container Orchestration**.
- Led UI development across components, ensuring a cohesive user experience.
- Enforced enterprise design patterns in UI development, including **Redux** and **RxJS**, promoting testable components.
- Designed an enterprise rapid application framework using Node.js, Express, and TypeScript, accelerating API development.
- Created an in-house **SPA agnostic micro-frontend framework** for internal app contributions.
- Established scalable **build and deploy strategies** for Node.js applications.

From Project Trainee to Senior Engineer · **Honeywell Technology Solutions** · Dec 2012 – Jan 2017 · Bengaluru, IN

- Developed software tools for productivity and process adherence in **Flight Management Systems** (FMS) Software.
- Created a web-based port of a legacy model-based UI with ARINC-661 widgets using AngularJS, Bootstrap, and Ionic.
- Engineered asynchronous network services for the Build Server with C# .NET.
- Developed a proprietary **desktop application** for software requirements management using C# .NET and WPF.
- Contributed to the UI and Display Proxy layers of **NG-FMS** deployed on major aircraft by **Boeing, Airbus, Dassault, and Gulfstream**.

Summer Intern · **SRM Research Institute** · May 2012 – June 2012 · Bengaluru, IN

Developed "CLASSICO", a desktop application enabling one-to-one audio/video communication between rural and urban schools. Led the entire product development under tight deadlines and budget constraints.
Technology Stack: Python (Ubuntu/Debian), GStreamer, GTK+

PUBLICATIONS

Patents and Defensive Publications

- S. Mukherjee, D. RC, N. Kumar, and A. P, "System and method of locking and ranking the resource for utilization in a distributed scheduling system," other 5048, Apr. 6, 2022. [Online]. Available: https://www.tdcommons.org/dpubs_series/5048.

SKILLS

Private Cloud PaaS IaaS SaaS

Engineering Leadership Team Collaboration People Management Project Management Mentorship Adaptability Strategic Thinking Conflict Resolution

Distributed Computing NodeJS Java Spring Angular Linux Kafka
Multithreading HTML/CSS C++ C# .NET HTTP/REST Virtualization MySQL MongoDB ElasticSearch Hazelcast GoLang
Qt Erlang Software Design and Architecture

Git JIRA Splunk MS-Office K8s

MOST PROUD OF

Revolutionized Product Maturity
Elevated automation runs from hundreds annually to an astounding **over 10 million** in FY-23-24, showcasing a transformative leap in efficiency.

Unmatched Manager Effectiveness
Achieved a **100% manager effectiveness score** in the FY-23-24 anonymous employee survey, reflecting exceptional leadership and team cohesion.

Portfolio Expansion
Doubled the India team's portfolio by **2x in just 2 years** while maintaining the same number of engineers, demonstrating strategic resource management and innovation.

Embracing a Growth Mindset
Cultivated a proactive approach to change and continuous learning, enabling seamless transitions across diverse roles, technologies, and domains throughout my career.

EDUCATION

B. Tech in Computer Science · **SRM University** · 2009 – 2013 · Chennai IN

- **"ISBN Keeper"** (**Nokia OVI store**): A tool for tracking books by capturing ISBN barcodes, fetching data from the internet, and saving it.
- **"My Sehat"** (**Nokia OVI store**): An electronic healthcare record app maintaining user health data in a portable format for easy understanding by patients and useful reference for doctors.

High School · **Loyola High School** · Class of 2009 · Jamshedpur IN