

SRIJAN MUKHERJEE

Hands-on Engineering Leader & Problem Solver

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📍 Bengaluru, KA

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12 years of official experience with Software Development, a decade more otherwise!

EXPERIENCE

Director, Software Development

VISA Cloud Platform IaaS

📅 September 2023 – Present

📍 Bengaluru, IN

- Delivered highly complex engineering excellence items, **Zero Downtime MongoDB to MySQL migration at 2000+ QPS**, highly available event messaging framework, etc
- Led re-architecture of in house Distributed execution engine from Active Passive to **Active-Active multi writer** configuration using traditional MySQL, **cutting infrastructure costs by 50%**
- Building "vPlay" a cloud based in browser IDE to rethink developer experience and left shift inertia, projected savings **>\$1M every year**
- Built and led Bangalore Cloud Platform **Team of size 18**, (2 Managers + 16 engineers)
- Portfolio of 18 microservices and frontends, 5 SDKs with YoY cost savings of **~\$200 M**
- Positioned VISA's Enterprise Cloud to grow as a **SaaS offering** in a 5-year strategic plan.
- Responsible for elevating **Generative AI** competency/awareness and achieving a 10% dev productivity boost across VISA Bengaluru Technology Center in Q1-Q2 FY-24.
- Led multiple **site level initiatives**. Actively mentored employees across teams/functions, grew leadership quotient and overall technology competency of Bengaluru Technology Center.

Senior Engineering Manager

VISA Cloud Platform IaaS

📅 August 2021 – August 2023

📍 Bengaluru, IN

- Augmented team portfolio with **2 new products** in FY22-23 repurposing **existing resources** and delivered in early FY-24
- Grew a team of **~11 full stack engineers** who drive design and development for 10+ services that automate various aspects of day-2 lifecycle of cloud infra.
- Increased adoption of VISA's Enterprise Server Configuration Management Solution by roughly 400% from FY-21 to 23.
- Reduced **hotfix frequency by ~45%** for all critical products and success rates **>98%** from FY 22-23 and SLA adherence **>95%**
- Responsible for 10-15% of **code reviews** as oversight or to fill in for burst capacity
- Project Management tasks, schedule/cost estimation for portfolio.
- Drove innovation and co-authored **Intellectual Property with team**.

Staff Full Stack Developer

VISA Cloud Platform

📅 Jan 2019 – July 2021

📍 Bengaluru, IN

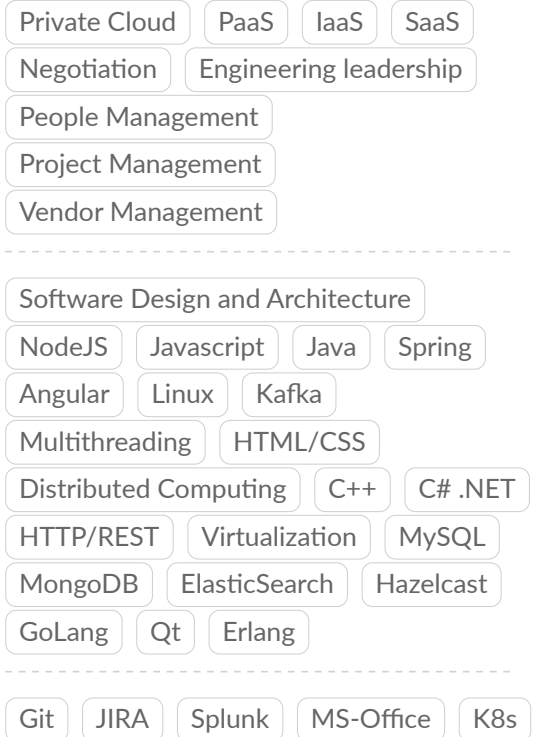
- Key owner of the Core UI Platform for CloudView which is the one-stop portal for VISA's infrastructure provisioning and lifecycle management.
- Involved in leading and implementing VISA's **hybrid cloud** initiative, **ESB and Enterprise Gateway Automation**, Provisioning and Decommissioning Services.

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



MOST PROUD OF

- 📈 **Product Maturity**
from 100s of automation runs in a year to over 10M in FY-23-24
- ✓ **Manager effectiveness**
100% manager effectiveness score in FY-23-24 anonymous employee survey
- 🏆 **Portfolio**
Grew India team's portfolio by **2x in 2 years** despite the same number of engineers

- Introduced **HTTP/2 'SPDY'** streams and **Server Sent Events** as an alternative to traditional REST. Helped drive implementation for server side components and protocol implementation.
- Mentoring junior members of the team towards enterprise coding practices, design patterns, software architecture.

Senior Full Stack Developer

VISA Inc

📅 Feb 2017 – Jan 2019 📍 Bengaluru, IN

- Worked on development of key features around **self-service** capabilities for Cloud infrastructure provisioning and lifecycle management, **Kubernetes Container Orchestration**.
- Drove UI development for the various components.
- Enforced enterprise design patterns in UI development, **Redux**, **RxJS**, and encouraged writing of testable components with emphasis on Functional Programming.
- Designed and developed an enterprise rapid application framework on Node JS with express and Typescript with enterprise design patterns like Inversion of Control (IoC) and Dependency Injection (DI) to accelerate API development.
- Implemented an in-house **SPA agnostic micro-frontend framework**. Delivered as internal open source model for contributing apps within the organization.
- Pioneered scalable **build and deploy strategies** for NodeJS apps in an enterprise environment.

From Project Trainee to Senior Engineer

Honeywell Technology Solutions

📅 Dec 2012 – Jan 2017 📍 Bengaluru, IN

- Designed, developed, and maintained software tools for productivity and process adherence in **Flight Management Systems (FMS)** Software at Honeywell Aerospace.
- Web-based port of a legacy model-based UI with ARINC-661 widgets, using AngularJS, Bootstrap, and Ionic, MongoDB.
- Built High-performance asynchronous network services for Build Server, utilizing C# .NET.
- Wrote a proprietary **desktop app** for software requirements management, with C# .NET, Windows Forms, and WPF.
- Contributed to UI and Display Proxy layers of **NG-FMS** which is deployed on all major aircrafts by **Boeing**, **Airbus**, **Dassault** and **Gulfstream**.

Summer Intern

SRM Research Institute

📅 May 2012 – June 2012 📍 Bengaluru, IN

Worked at developing a desktop application CLASSICO (CLASS-room Sharing by Interactive CONferencing) for one to one audio/video communication between a rural school and urban school. Here I was vested with ownership of the entire software product which had to be put together in a very short period of time and within a limited budget constraints and platform limitations.

Technology Stack: Python on Ubuntu / Any debian based Linux distro Frameworks: GStreamer (Python bindings), GTK+



Growth Mindset

A positive attitude towards change and continuous learning has helped me adapt to every new role and domain. Have changed tech stacks, roles, and domains across my experience.

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