

### PROFESSIONAL SUMMARY

**Lead Software Engineer** with Around **8 years** of industry experience and **3 years of success** architecting and **leading Event Driven solutions** including **AI-Powered High-Frequency Algorithmic Trading Systems** that handle **millions of messages per day**

Delivered **60% cost reductions at Pramata**, Awarded **Outstanding Leadership** honors for two consecutive years by **mentoring** and guiding a team of six full-stack developers to **exceptional outcomes**.

### WORK HISTORY

**2024 – Present :** **DeleteMe Bangalore** **: Lead Software Engineer**

- Engineered event-driven systems processing over 10 million daily events to match, validate, and remove personal data across 500+ data brokers for 100,000+ users, leveraging high-scale crawling, enrichment, and data classification pipelines.
- Spearheaded the architecture of the application by upgrading the WebExtension code to Manifest V3 using **event-driven architecture**, resulting in a **70% reduction in JavaScript injection and load time on websites**.

**2020 – 2024 :** **Pramata Bangalore** **: Lead Software Engineer.**

- Designed and Implemented services leveraging **CNN and LLM-based models** for document scanning and entity extraction from legal contracts capable of digitising over **100 M+ legal contracts**.
- Redesigned application architecture by implementing microservices and microfrontend frameworks**, enhancing existing APIs and achieving a **70% increase in digitization speed and a 60% reduction in operational costs**
- Mitigated security risks** by identifying and resolving dynamic and static vulnerabilities using Astra's Pentest and Snyk, while also increasing test case coverage to **95%**.

**2017 -2019 :** **Infosys Bangalore ( Apple Inc )** **: Specialist Programmer**

- Developed Inventory management system at Apple for **real-time monitoring and management of over 3000 servers globally**.
- Build service to facilitate the **implementation of CI/CD pipelines** and serving as a **central repository to track the progress of over 2000 stories**.
- Engineered (LEX) for Infosys, **enabling seamless training for over 300K users** through a diverse range of industry-specific trainings.

### PROJECTS WORKED ON

#### Algorithmic Trading Application : Personal Project | Architect & Lead Developer

- Designed and developed a **scalable, event-driven trading platform** integrated with Broker APIs, executing **40,000+ trading decisions per session** on the **National Stock Exchange (NSE)**.
- Built a **multithreaded architecture** to **scan 5000+ stocks in real time** for multiple users, dynamically adapting to each user's selected strategy.
- Engineered a **modular plug-and-play system** supporting integration of **50+ technical indicators and trading strategies**, enabling users to easily configure or switch logic.
- Leveraged **Redis Streams** and **distributed locking** for high-throughput, concurrent trade processing, and used **WebSockets** to ensure real-time, low-latency communication between Services

Tech Stack : Python Django, Fast API, Web Sockets, MySQL, TimeScale DB, Redis, React JS, HTML5 , CSS3

#### Contract Repository As Service : Product Of Pramata

- Successfully guided the **implementation of Micro-frontend architecture** across the organisation for **more than 15 services** resulting in faster development cycles, and enhanced user experience.
- Enhanced session management** and fortified APIs with robust authorisation controls, resolving multiple security vulnerabilities
- Initiated the switch from PDFs to converted images for contract digitisation, to **reduce initial load time by 80%**.
- Led the team to implement caching for enhanced efficiency that **dropped response time by 90% for core APIs**.

Tech Stack : Python(For ML), Ruby On Rails, MySQL, React JS, HTML, SCSS, Docker (Hosted On AWS)

## Apple Online Store Infrastructure & Inventory Management : Product Of Apple Inc

- Created application for **Apple Inc** to manage more than 3000 host servers and Processes deployed at different geographical locations and manage CI/CD pipelines for more than 2000 stories.

Tech Stack : Angular 7, TypeScript, Python Django, MySQL

## Education And Certifications

### Bachelor of Technology in Mechanical and Automation Engineering (2013 - 2017)

University - Indrapastha University New Delhi

### Machine Learning Specialisation by Stanford University & Deep Learning AI

Verification URL - <https://www.coursera.org/account/accomplishments/specialization/9ATALVMR9YBF>

### Programming In C By IIT Kanpur

Verification URL - <https://nptel.ac.in/noc/courses/noc17/SEM2/noc17-cs43> (NPTEL17CS43S2190787)

### AWS Cloud Practitioner

Verification URL - <http://aws.amazon.com/verification> (4HPWNLNKLJV4QHSB)

## Technical Skills

Core skills	Application Design , Data Structures , Machine Learning System Design
Programming languages	Javascript , Python , Ruby.
Front-End skills and frameworks	Angular, React.JS, Typescript CSS, Bootstrap, Semantic UI, AJAX, HTML 5, JQuery.
Back-End skills and databases	Django, Flask , Ruby on Rails, Node.JS, Express.JS, MySQL , Oracle , MongoDB, Redis.
Machine Learning and AI skills	CNN, RNN, Transformers (BERT, GPT-based LLMs), Classification Models.
Infrastructure and Monitoring	AWS, Linux, Docker, Kubernetes, Git, Newrelic, Jenkins.
Leadership & Management	Jira, Agile Methodologies, Project Management, People Management
Other Skills Acquainted With	Core Java, C, C++, React Native, Shell Scripting.

## Relevant Links and Profiles

StackOverflow	<a href="https://stackoverflow.com/users/10516426/naresh-joshi">https://stackoverflow.com/users/10516426/naresh-joshi</a>
HackerRank	<a href="https://www.hackerrank.com/profile/joshi004">https://www.hackerrank.com/profile/joshi004</a>
LeetCode	<a href="https://leetcode.com/thinkjoshi/">https://leetcode.com/thinkjoshi/</a>
GitHub	<a href="https://github.com/Joshi004">https://github.com/Joshi004</a>

## Other Interests

I like to read books mostly about mythology that helps me understand technology at times.

I tend to gravitate towards Indian classical music, and take great pleasure in playing the bamboo flute

