

Jatin Tripathi

Senior Software Engineer

jatin.tripathi@outlook.com ✉

7984101976 📞

Bangalore 📍

jatintripathi.github.io 🌐

I can design and develop scalable systems and pipelines, with fault-tolerance and redundancy to handle sudden and constant usage peaks with efficient resource management.

WORK EXPERIENCE

Software Development Engineer Flipkart

06/2019 - Present

Bangalore

Flipkart is India's biggest e-commerce company

Achievements/Tasks

- Data room exercise automation
- Pipeline for structured data extraction from transactional SMS
- Change Data Capture system for Hbase to HDFS

Senior Software Engineer Paytm

06/2018 - 06/2019

Noida

Paytm is India's biggest payments, digital wallet, and banking company.

Achievements/Tasks

- Developed user account's status management system, one of the highest throughput systems of Paytm, dependent on various other services like KYC, OAuth, etc.
- Used bulkhead pattern for assigning predefined numbers of threads to libraries and modules, separating runtime failures.
- Deployed circuit breaking systems for fast failures, monitoring, and recoveries.

Software Engineer Balance (Acquired by Paytm)

11/2016 - 06/2018

Bangalore

*Balance was a fin-tech product helping its customers to invest effortlessly. Now acquired and part of **Paytm Money**.*

Achievements

- Built complete user's investment accounting system with the framework for multiple validations, fail and error checks.
- Developed multiple versions of caching engine for high throughput API with a reliable naming framework for cache keys and testing framework for cache invalidation.
- Created distributed failover systems for long-running backend jobs resulting better DB session rollbacks and avoiding repeated transactions.
- Built adapters for sequentially distributed workflows and log-stream (logstash) for logs analytics.

EDUCATION

B.Tech (Electronics and Communication) UPTU

08/2011 - 06/2015

SKILLS

Java

Scala

Spark

Presto

HDFS

Akka

BDD

Software Designing

Docker

Distributed Systems

GCP

Fault Tolerance

Automation

PERSONAL PROJECTS

Home Automation IoT

- Akka middleware based Streaming architecture for creating a digital replica of Home
- Used this for monitoring and optimising home energy usage

Mutual Fund Advisory Platform (06/2017 - 12/2017)

- Created a CRM application for Zerodha sub brokers to advise mutual funds to their customers.

Open source (Weekend Projects) (01/2015 - Present)

- API Gateway Microservice
- Search Microservice API
- Editor Microservice
- Lifetime Goal Application

Mono Propeller Drone (11/2014 - 05/2015)

- Created a cross framed drone with direction control flaps at the bottom, to direct and manoeuvre the upwards force by the mono DC-motor placed at the top of the frame.
- Arduino was programmed and used for controlling the speed of DC motor and the direction of servo motors (connected to flap).

LANGUAGES

English



Hindi



INTERESTS

Product Development

Artificial Intelligence

Powerlifting