Tushar Kumar
Software Engineer

Software Engineer with 5+ years of experience in designing and developing secure scalable and reliable software components for fast paced business environment.

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Work Experience

Cashfree Payments India Pvt Ltd
Jul 2021 - Present   *Payments solution provider.*

Merchant onboarding for Partners
- Revamped merchant onboarding flow by making operations between workflow steps idempotent to ensure resilience and reduce manual operational load. Optimized DB calls to make the process fast.

SDK for merchants
- Generated SDKs and distributed via public package repo for merchants to access cashfree payment gateway utilities programatically on their platform.

Payment app for Shopify ecommerce platform
- Created the Shopify payment app which merchants could install on shops and get payments processed for their customers via cashfree. Ensured reliable payment and order creation by implementing 3 layer reconciliation.
- Implemented required security, latency and reliability requirement some of which were first time in the organisation.

Amazon Development Centre (India) Private Limited
Oct 2019 - Jul 2021   *Tech wing of Ecommerce giant.*

Generalised Costing Module
- Extendable costing module to enable cost calculation at various granularities (cartons, containers, packets).

Reconciliation for Financial Systems
- Integrated financial systems using aws kinesis firehose to reconciliation systems in a different geographical region.

CI/CD Pipelines
- Reduced security and availability risks of team's CI/CD pipelines by integrating best practice tools.

Annual Peak Scaling spoc for Financial Systems
- Ensured resilience of each system by request volume forecasting and load testing.

Stack Setup Automation
- Automated the stack setup process of a suite of financial systems based on legacy AWS infra using AWS cloudformation and pipelines automation tool with workaround for missing technologies in restrictive AWS regions.

LendingKart Technologies Pvt. Ltd.
Feb 2019 - Oct 2019   *A fin-tech company in the working capital space.*

Colender Interaction
- Implemented generic interface using webhooks for colender bank systems to send data to and processed asynchronously using a Kafka workflow.

Loan Management System
- Workflow to collect loan data from various microservices using a facade interface for each facet of data and compile a markup document.

Kuliza Technologies Pvt. Ltd.
Jul 2017 - Feb 2019   *Digital Transformation Partner for Financial Enterprises.*

Platform for General Insurer
- UI for field agents to perform vehicle inspection optimised to reduce neworking and DB calls.

Product for Financial Org to facilitate loan insurance
- Created apis and data model to store at client side reducing DB updates and fetches for loan insurance workflow.

SAAS Extension for JIRA Software
- Extension for Atlassian JIRA which provide quality test management to any JIRA project.

Web Platform for Major Airline
- Made scalable UI to enable customers to fetch flight details, make and manage bookings.

SKILLS

`Java` `GoLang` `Distributed System Design`

`Database Design` `K8s` `AWS` `C++`

`Computer Network` `CI/CD` `Python`

`React/Angular`

Education

Bachelor of Engineering
Computer Science and Engineering

Birla Institute of Technology, Mesra
08/2013 - 06/2017   *First Class with Distinction*