Tushar Kumar

Software Engineer

Software Engineer with 3+ years of experience in designing and developing scalable software components for fast paced business environment.

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Work Experience

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

Generalised Costing Module
- Designed low level change for costing module to enable cost calculation at various granularities (cartons, containers) which earlier only calculated costs for containers.

Reconciliation for Financial Systems
- Provided hld and metrics justifications to use aws kinesis firehose to publish data to reconciliation system present in a separate region. Provided lld to use dependency injection to decide the region to publish data to at run time.

CI/CD Pipelines
- Reduced security and availability risks of team's CI/CD pipelines by enforcing code review, test coverage and replication of hosts and access keys in multiple regions.

Peak Scaling spoc for Financial Systems
- As the spoc from my team for Amazon wide annual peak preparedness drive, collected and generated forecast requests volume from upstreams and downstreams to load test systems and match and scale serverless utilities quotas. Assessed financial risk with existing redrive mechanisms to be below the acceptable threshold.

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
- Features of workflow engine to receive requests, process data, schedule and track inspection, payments and document generation for the process of consumer automotive insurance.
- UI for field agents to perform various transformations on vehicle images and translated those transforms as mathematical coordinates instead of sending actual image to optimise neworking and DB.

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 delivering features required by any major airline to enable customers to fetch flight details, make and manage bookings.

SKILLS

`Java` `Python` `C++` `SQL`
`React.js/Angular(2+)` `Rust` `AWS`

Education

Bachelor of Engineering
Computer Science and Engineering

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