

Shailendra Gupta

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EXPERIENCE

Senior Software Engineer (Backend)

Oct, 2022 — Present

Razorpay Software Private Limited

Bengaluru, KA

- Built [Recon as SaaS](#) from scratch (**in Golang**) with multi-tenancy support to provide recon capabilities to customers.
- Implemented reconciliation strategies for several gateways for Auto Recon Tool, processing upto **8+ million txn a day**.
- Reduced data fetching time from datalake from **2+ hours to under a few minutes**, thus reducing cloud cost by 90% for fetching.
- Developed Golang microservice for Reconciliation & Settlements module from scratch for **ONDC network (Govt. of India initiative)**.
- Increased commission module's capacity to handle up to **3.6 lakhs txn/minute** and up to **18 lakh calculations/minute** without any increase in cost.
- Promoted to devops champion for managing infra for microservices using **Spinnaker, Terraform and Kubernetes**.

Software Engineer (Backend)

Nov, 2021 — Oct, 2022

Razorpay Software Private Limited

Bengaluru, KA

- Formulated fraud detection system to prevent losses and abuse in commission payouts, reduced losses upto **INR 35 lakhs monthly**.
- Automated commission generation for payment products like PaymentLinks, QR Codes, SmartCollect, E-Mandate, and CAW, reducing manual intervention by **40%**.
- Implemented automated disbursal of commission invoices, leading to an **increased NPS** score for the partnership module written in PHP.
- Established monitoring and alerting for async workers to enable early detection of organization-wide outages before customer impact leveraging Prometheus and Alert Managers.
- Executed **zero-downtime migrations** for critical operations, such as user role migration, ensuring seamless transitions.

Software Engineer (Full Stack)

March, 2021 — Nov, 2021

Vimeo Inc

Bengaluru, KA

- Established pipeline to dynamically add EXIF data (pre download) to MP4 files using **Node.js (via streams)**.
- Integrated Vimeo-Creato with partners like Constant Contacts and Facebook.
- Simplified code generation scripts for internal routing files.
- Fixed race conditions in Vimeo-Creato SDK to handle overlays issue with post-message communication.

Software Engineer (Full Stack)

Aug, 2018 — Jan, 2021

Peak.ai

Jaipur, RJ

- Engineered internal workflow orchestration tool, using **argo workflows**, to facilitate the data science team to build their models using a series of steps (DAG).
- Produced data connectors for **ETL pipelines** to fetch data from sources like **FTP and SFTP**.
- Structured **authN, authZ, and RBAC** to provide granular control over tenant's data.
- Developed a TCP proxy for AWS Lambda and PostgreSQL communication. (Inhouse RDS proxy alternative)
- Improved frontend delivery by 50% through code splitting and implementing effective caching strategies and object expiration.
- Created **serverless microservices** leveraging AWS services like Lambda, DynamoDB, S3, IAM, and SQS.
- Designed custom **React UI components** to extract presentational logic from the core business application.

INTERNSHIP

Software Engineer (Full Stack)

May, 2018 — Jun, 2018

Peak.ai

Jaipur, RJ

- Formed data pipelines to automatically ingest data from sources like mintuk.bvdinfo.com and BigQuery.
- Built data connector for ETL pipelines to fetch data from GCS and BigQuery (Export to GCS).

PROJECTS

Chain Reaction Game

<https://github.com/charlie1404/chain-reaction>

[Play Here](#)

Contributions to React

<https://github.com/facebook/react/pulls?q=author:charlie1404+is:closed>

(Open Source Contribution)

Flashr (Redux Notifications Queue)

<https://github.com/peak-ai/flashr>

(Open Source Contribution)

VQS (SQS like Queue backed by memory mapped files)

<https://github.com/charlie1404/vqs>

(In Development)

TECHNICAL SKILLS

Languages : NodeJS | Golang | PHP | Python | JAVA | TypeScript | Shell Scripting
Frameworks : React | Express | PySpark | Flask | Laravel | Django | Gin
Developer Tools : Git | Docker | Spinnaker | Kubernetes | Jenkins | Terraform | Postman
Databases : MySQL | PostgreSQL | DynamoDB | MongoDB | Redis | Elasticsearch
SaaS/Cloud Tech : S3 | SQS | IAM | AWS Lambda | EC2 | Auth0

EDUCATION

B.Tech, Computer Science and Engineering

Global Institute of Technology

May, 2015 — 2018 (Drop Out)

Jaipur, RJ

Senior Secondary

Rawat Public School (CBSE)

Jul, 2012 — Apr, 2014

Jaipur, RJ

Secondary

Rawat Public School (CBSE)

Jul, 2010 — Apr, 2012

Jaipur, RJ

CERTIFICATIONS

AWS Developer Associate

PWYQS9G1MFE11RSL

12th Aug, 2019

HONORS & AWARDS

Razorpay Spot Award

(Autonomy and Ownership)

2022

Peak Value Award

Most Valueable Contributor (2 times)

2019, 2020

Deloitte Innovation Award

Smart India Hackathon

2017

SOCIAL LINKS

 <https://github.com/charlie1404>

 <https://www.linkedin.com/in/charlie1404>

 https://twitter.com/charlie1404_sg