

Shailendra Gupta

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EXPERIENCE

Senior Software Engineer (Backend)

Oct, 2022 — Present

Razorpay Software Private Limited 🚀

Bengaluru, KA

- Designed and Developed Recon SaaS from scratch (**in Golang**) with multi-tenancy support to provide recon capabilities to customers.
- Contributed to the development of Auto Recon Tool, processing **8+ million txn a day** including payments, refunds, chargebacks, payouts, and settlements.
- Reduced data fetching time from data lake from **2+ hours to under a few minutes**, thus reducing cloud cost by 90% for fetching.
- Developed Golang microservice for Reconciliation and Settlements module from scratch for the **ONDC network (Govt. of India initiative)**.
- Increase the commission module's capacity to handle up to **3.6 lakhs txn/minute** and up to **18 lakh calculations/minute** without an increase in cost.

Software Engineer (Backend)

Nov, 2021 — Oct, 2022

Razorpay Software Private Limited 🚀

Bengaluru, KA

- Designed a fraud detection system to prevent losses and abuse in commission payouts, identifying losses up to **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.
- Successfully 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

- Built a tagging pipeline to dynamically add EXIF metadata to MP4 files before download using **Node.js over a stream**.
- Integrated Vimeo-Creato with partners like Constant Contacts and Facebook.
- Simplified code generation scripts for internal routing files.
- Fixed race condition in Vimeo-Creato SDK to handle overlays issue with post-message communication.

Software Engineer (Full Stack)

Aug, 2018 — Jan, 2021

Peak.ai 🚀

Jaipur, RJ

- Developed internal workflow orchestration tool, built over **argo workflows**, to facilitate the data science team to build their models using a series of steps (DAG).
- Developed data connectors for **ETL pipelines** to fetch data from sources like **FTP and SFTP**.
- Contributed to authentication, authorization, and **RBAC** (role-based access control) flows across all services.
- 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.
- Developed **serverless microservices** leveraging AWS services like Lambda, DynamoDB, S3, IAM, and SQS.
- Created a custom **React UI components** library to extract presentational logic from the core business application.

INTERNSHIP

Software Engineer (Full Stack)

May, 2018 — Jun, 2018

Peak.ai 🚀

Jaipur, RJ

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

PROJECTS

Flashr (Redux Notifications Queue)

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

(Open Source Contribution)

Contributions to React

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

(Open Source Contribution)

VQS (SQS like Queue backed mmap files)

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

(In Development)

Chain Reaction (Multiplayer Game)

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

(In Development)

EDUCATION

Global Institute of Technology

B.Tech, Computer Science and Engineering

May, 2015 — Drop Out (2018)

Jaipur, RJ

Rawat Public School (CBSE)

Senior Secondary

Jul, 2012 — Apr, 2014

Jaipur, RJ

Rawat Public School (CBSE)

Secondary

Jul, 2010 — Apr, 2012

Jaipur, RJ

CERTIFICATIONS

AWS Developer Associate

PWYQS9G1MFE11RSL

12th Aug, 2019

TECHNICAL SKILLS

Languages: NodeJS, Golang, PHP, Python

Frameworks: React, Express, PySpark, Flask, Laravel, Django, Gin

Developer Tools: Git, Docker, Spinnaker, Kubernetes, Jenkins, Jira, Postman

Databases: MySQL, PostgreSQL, DynamoDB

SaaS/Cloud Tech: S3, SQS, IAM, AWS Lambda, Autho

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