Shailendra Gupta

📞 +91 9602425641 | ✉ gup.sg14@gmail.com | 📍 Bengaluru, Karnataka

EXPERIENCE

Senior Software Engineer (Backend)
Razorpay Software Private Limited 📧

Oct, 2022 — Present

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 **100 txn/sec** and up to **500 calculations/sec** without any increase in cost.
- Promoted to devops champion for managing infra for microservices using **Spinnaker, Terraform and Kubernetes.**

Software Engineer (Backend)
Razorpay Software Private Limited 📧

Nov, 2021 — Oct, 2022

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)
Vimeo Inc 🔵

March, 2021 — Nov, 2021

Bengaluru, KA

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

Software Engineer (Full Stack)
Peak.ai 🏔

Aug, 2018 — Jan, 2021

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)
Peak.ai 🏔

May, 2018 — Jun, 2018

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 May, 2015 — 2018 (Drop Out)
Global Institute of Technology *Jaipur, RJ*

Senior Secondary Jul, 2012 — Apr, 2014
Rawat Public School (CBSE) *Jaipur, RJ*

Secondary Jul, 2010 — Apr, 2012
Rawat Public School (CBSE) *Jaipur, RJ*

CERTIFICATIONS

AWS Developer Associate 12th Aug, 2019
PWYQS9G1MFE11RSL

HONORS & AWARDS

Razorpay Spot Award 2022
(Autonomy and Ownership)

Peak Value Award 2019, 2020
Most Valueable Contributor (2 times)

Deloitte Innovation Award 2017
Smart India Hackathon

SOCIAL LINKS

 https://github.com/charlie1404

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

 https://twitter.com/charlie1404_sg