

Shailendra Gupta

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EXPERIENCE


Senior Software Engineer

Deel Company 

Jun, 2024 — Present
Bengaluru, KA (Remote)

- Developed tax filing documents (W-2s, W-3s, W-2Cs, and W-3Cs), from generation to publishing, for all US clients in **under 45 days** from scratch.
- Enabled US payroll to have multiple payroll settings, allowing processing in different cycles for the same client, thus unblocking multiple client onboardings.
- Streamlined address-related workflows to reduce manual intervention by **50%** and improved address validation.
- Simplified subject taxes fetching and decoupled address codes from subject taxes.


Senior Software Engineer

Razorpay Software Private Limited 

Oct, 2022 — May, 2024
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**, using sparks and JAVA.
- 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** by optimizing internal queries, resulting no increase in cost and additional infra need.
- Promoted to devops champion for managing infra for microservices using **Spinnaker, Terraform and Kubernetes**.

Software Engineer

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.
- Automated **100%** monthly commission invoice generation for partners, reducing manual intervention and errors.
- 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

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-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

Peak.ai 

Aug, 2018 — Jan, 2021
Jaipur, RJ

- Hosted company wide multiple sessions on advanced concepts of javascript ([Public Link](#)).
- Engineered internal workflow orchestration tool written using spring boot, to facilitate the data science team to build their workflows using a series of steps (DAG).
- Produced data connectors for **ETL pipelines** to fetch data from sources like **FTP and SFTP**. using JAVA
- 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

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

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