Shailendra Gupta

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EXPERIENCE

Senior Software Engineer (Backend) <div align="right">Oct, 2022 — Present</div>

Razorpay Software Private Limited ✈ <div align="right">*Bengaluru, KA*</div>

- Build Recon as 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.
- Managed infra for our microservices using **Spinnaker, Terraform and Kubernetes.**

Software Engineer (Backend) <div align="right">Nov, 2021 — Oct, 2022</div>

Razorpay Software Private Limited ✈ <div align="right">*Bengaluru, KA*</div>

- 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) <div align="right">March, 2021 — Nov, 2021</div>

Vimeo Inc 𝐕 <div align="right">*Bengaluru, KA*</div>

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

Software Engineer (Full Stack) <div align="right">Aug, 2018 — Jan, 2021</div>

Peak.ai ▦ <div align="right">*Jaipur, RJ*</div>

- 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 custom **React UI components** to extract presentational logic from the core business application.

INTERNSHIP

Software Engineer (Full Stack) <div align="right">May, 2018 — Jun, 2018</div>

Peak.ai ▦ <div align="right">*Jaipur, RJ*</div>

- 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)*

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