Shailendra Gupta

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EXPERIENCE

Senior Software Engineer (Backend)   Oct, 2022 — Present
Razorpay Software Private Limited 📩   *Bengaluru, KA*

- Developed Recon SAAS from scratch with multi-tenancy support.
- Developed features for internal reconciliation tool, processing millions of transactions daily including payments, refunds, chargebacks, payouts and settlements.
- Optimized internal data fetching to reduce run time from over 2 hours to under a few minutes, thus reducing costs by 90%.
- Developed the Reconciliation and Settlement module from scratch for the ONDC (Govt. of India initiative).

Software Engineer (Backend)   Nov, 2021 — Oct, 2022
Razorpay Software Private Limited 📩   *Bengaluru, KA*

- Built a fraud detection system to prevent losses and abuse in commission payouts, identifying losses upto INR 35 lakh monthly.
- Scaled commissions module to handle upto 3.6 lakh tx per minute and upto 18 lakh calculations per minute.
- Automated commissions generation for payments products like PaymentLinks, QR Codes, SmartCollect, E-Mandate, and CAW.
- Implemented automated disbursals of commission invoices, leading to an increased NPS score for the partnership module.
- Established monitoring and alerting for async workers to enable early detection of organization-wide outages before customer impact.
- 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.
- Integrated Vimeo-Create with partners like Constant Contacts and Facebook.
- Enhanced code generation scripts for internal routing files.
- Fixed issues in Vimeo-Create SDK integration including overlays and post-message communication.

Software Engineer (Full Stack)   Aug, 2018 — Jan, 2021
Peak.ai 🔠   *Jaipur, RJ*

- Developed internal workflow orchestration tool, built over argo workflows.
- 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 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 UI component 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.

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%3Acharlie1404+is%3Aclosed   *(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   May, 2015 — Dropped Out (2018)
B.Tech, Computer Science and Engineering   *Jaipur, RJ*

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

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

CERTIFICATIONS

AWS Developer Associate   12th Aug, 2019
PWYQS9G1MFE11RSL

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, Auth0

HONORS & AWARDS

Razorpay Spot Award
(Autonomy and Ownership)

Peak Value Award
Most Valueable Contributor (2 times)

Deloitte Innovation Award
Smart India Hackathon 2017

SOCIAL LINKS

- https://github.com/charlie1404
- https://www.linkedin.com/in/charlie1404
- https://twitter.com/charlie1404_sg