

# Shailendra Gupta

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## Senior Software Engineer (Backend) @ Razorpay 🚀

📍 Bengaluru, Karnataka

📅 Nov, 2021 — Current

- Developed and implemented new features for internal reconciliation tool to process millions of transactions daily (TBs of data) for payments, refunds, chargebacks, payouts and settlements.
- Implemented anomaly detection algorithms to identify potential money leaks and fraudulent transactions.
- Optimized data fetching scripts to reduce run time from over 2 hours to under a few minutes, reducing costs by 90%.
- Reduced Spark data ingestion time by 10-20% through ingestion strategy improvements.
- Developed the Reconciliation and Settlement Service module from scratch for the ONDC (Open Network for Digital Commerce) initiative.
- Built a fraud detection system to prevent loss and abuse in monthly commission payouts identifying up to 3.5 million from net revenue loss each month.
- Established monitoring and alerting for workers to enable early detection of organization-wide outages before customer impact.
- Scaled the commissions module to handle 300 TPS for commissions creation and 900 TPS for commissions pricing calculations.
- Executed zero-downtime migrations of critical operations like user role migration.
- Managed P2 incidents from triage to root cause analysis (customer experience breakage).

## Software Engineer (Full Stack) @ Vimeo 📺

📍 Bengaluru, Karnataka

📅 March, 2021 — Nov, 2021

- Built a tagging pipeline to dynamically add EXIF metadata to MP4 files before download.
- Integrated Vimeo-Creato with partners like Constant Contacts and Facebook.
- Enhanced code generation scripts for internal routing files.
- Fixed issues in Vimeo-Creato SDK integration including overlays and post-message communication.

## Software Engineer (Full Stack) @ Peak.ai 📈

📍 Jaipur, Rajasthan

📅 Aug, 2018 — Jan, 2021

- Improved frontend delivery through code splitting and implementing effective caching strategies including edge caching and object expiration.
- Owned authentication, authorization, and RBAC (role-based access control) flows across all services including user management.
- Developed a TCP proxy for AWS Lambda and PostgreSQL communication. (Inhouse RDS proxy alternative)
- Built connectors as plugins for internal pipelines to fetch data via FTP and SFTP.
- Developed serverless microservices leveraging AWS services like Lambda, DynamoDB, S3, IAM, and SQS.
- Created a custom UI component library to abstract presentational logic from the core business application.
- Built data pipelines to automatically ingest data from sources like mintuk.bvdinfo.com and BigQuery.

## OSS Contributions

- [VQS](#) SQS Compatible High performance Queue Server (in dev).
- [Contribution](#) to react
- [Flashr](#) notifications queue for redux.

## Technical Skills

Experienced :

React | Redux | NodeJS | PHP |  
Golang | ExpressJS | Javascript |  
AWS S3 | AWS DynamoDB |  
AWS Lambda | API Gateway

Hands-On :

CloudFormation (IAC) | AWS SNS |  
Microservice Infra | AWS SQS |  
Serverless Computing

## Certifications

AWS Developer Associate

12/08/2019 (PWYQS9G1MFE11RSL)

## Internship

Peak.ai [05/2018 — 06/2018]

## Education

B. Tech (2015 - Dropped in final year)

Global Institute of Technology (RTU)

Senior Secondary (2012 - 2014)

Rawat Public School (CBSE)

Secondary (2010 - 2012)

Rawat Public School (CBSE)

## Honors and Awards

- Razorpay Spot Award (Autonomy and Ownership)
- Peak Value Award (2 times)
- Deloitte Innovation Award, SIH 2017

## Social Links

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