

# Sahil Kumar

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**Open to Relocation:** Bengaluru, Hyderabad, Pune, Noida, Gurugram

## PROFESSIONAL SUMMARY

Results-driven backend developer with 5+ years of experience architecting and optimizing web services. Proven track record in designing and implementing high-performance APIs, automating workflows, and leveraging cloud-native solutions. Passionate about writing maintainable code and boosting system reliability.

## TECHNICAL SKILLS

**Languages & Frameworks:** Python 3, Django, FastAPI, Javascript, Node.js

**Databases:** PostgreSQL, MySQL, MongoDB, Redis, Django ORM

**Developer Tools & Cloud:** RabbitMQ, Git, Docker, Celery, AWS, VS Code, PyCharm, Linux, OOPS,

## EXPERIENCE

### Software Developer

February 2023 - Present

*Recro Technologies, Bengaluru, Karnataka*

- Designed invoice processing system modules utilizing Django and Django REST Framework (DRF) to ensure efficient and reliable operations.
- Enhanced application performance by 90% through multithreading and optimized database queries.
- Implemented an automated retry mechanism for failed orders using cron jobs to ensure reliable order processing.
- Built and maintained RESTful API endpoints to support seamless data communication.
- Created comprehensive technical documentation and API specifications for ease of integration.
- Monitored and troubleshoot application performance issues, ensuring high availability and reliability.
- Applied design patterns to develop new modules and refactor existing ones for improved scalability and maintainability.

### Senior Associate

Mar 2020 - Dec. 2022

*Coforge Public Limited, Greater Noida, UP*

- Developed back-end features using Django and Python, enhancing application functionality.
- Implemented Docker containers for streamlined application deployment, improving scalability.
- Integrated AWS and GCP cloud services into applications, optimizing performance and cost-efficiency.
- Collaborated with the front-end team to design and implement API requirements, ensuring seamless integration.
- Optimized database queries, resulting in an improvement in 30% response times.
- Participated in client meetings for the gathering and analysis of requirements, ensuring alignment with business needs.

## PROJECTS

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### **Invoice Transaction Recovery Service**

Developed a service with REST APIs to automate the management of failed invoice transactions using the existing message queue infrastructure of the company.

#### **Technical Highlights:**

- Built a wrapper service to interface with the organization's message queue, handling invoice-specific failed transactions.
- Designed and implemented REST APIs to:
  - Generate and export database dumps of failed transactions
  - Manage server-side data storage and retrieval.
  - Trigger retry processes for specific queue/topic combinations.
- Implemented data sanitization and transformation logic for failed invoice data.
- Modular retry recipes created using template and factory patterns for varied queue/topic scenarios.
- Developed configurable retry strategies tailored to queue/topic requirements.
- Reduce manual intervention by automating recovery processes via API driven workflows.
- Created a tracking system to monitor the recovery status of failed transactions.

## CERTIFICATIONS

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**Microsoft Azure Fundamentals - AZ-900** | *Azure Virtual Machine, Azure Active Directory*

[AZ-900 Link](#)

**Cloud Engineering- GCP** | *Google Compute Engine, Google Kubernetes Engine, Google IAM*

[GCP Link](#)

- Build various VM's using Google Compute Engine
- Grouped multiple VM's in a regional group
- Created Kubernetes Cluster and deployed a test application