

Rishav Kumar
(Senior Software Engineer)

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Backend-focused Lead Software Engineer with 8+ years of experience building scalable solutions across FinTech, SaaS, and HealthTech. Specialising in Python, Django, FastAPI, and AWS, with a track record in architecting resilient REST APIs, automation systems, and full SDLC ownership.

TECH STACK

Languages: Python, JavaScript, Dart, SQL, NoSQL

Frameworks & Libraries: Django, Flask, Django REST Framework (DRF), FastAPI, GraphQL, Celery, React, Angular, Flutter, WebSockets, gRPC, LangChain

Cloud & Infrastructure: AWS, Azure, Terraform (learning), Docker, Serverless, GitHub Actions

CI/CD & DevOps: CI/CD (GitHub Actions, custom pipelines), Git, Microsoft Power Automate, Sentry, CloudWatch, Grafana

Databases: PostgreSQL, MySQL, MongoDB, Redis, Firestore, SQLite, PgVector

Others: Shopify Integrations, WebRTC, Workato, AI/ML Integration, LLM Implementation

WORK EXPERIENCE

Consero Global, Bangalore

Senior Software Engineer - Bangalore

07/2025-Current

- Led backend architecture and delivery of an AI-enabled tax planning platform, designing scalable FastAPI and gRPC microservices with CI/CD on Azure to modernise CPA workflows and client experience.
- Designed and implemented LLM-powered opportunity assessment and OCR-based invoice extraction pipelines, reducing manual processing costs by ~90%.
- Tech Stack: FastAPI, Python, LLM, Unit Testing, Docker, gRPC, CI/CD, React, Azure (Container Apps, Service Bus, PubSub, Storage, Functions App)

PropertyGuru Group, Bangalore

Senior Software Engineer - Platform CoE

05/2023-02/2025

- Built and deployed TechCap Bot, automating monthly reporting for 200+ managers and reducing FP&A processing time by 99%
- Developed SAM bot integrating 100+ SaaS tools to automate access workflows for 2000+ employees, reducing onboarding time by 80% and eliminating manual errors
- Engineered a RAG pipeline integrated with a Microsoft Teams bot, leveraging embeddings and enterprise knowledge sources, including Jira, Confluence, and internal document repositories to deliver contextual AI-powered responses.
- Tech Stack: AI, LLM, RAG, Workato, Node.js, Python, Budibase, AWS, CloudWatch

Saara Inc, Bangalore

Lead Software Developer

08/2021-04/2023

- Deployed Shopify-integrated returns portal used by 500+ brands, improving return efficiency by 60% and cutting support tickets by 55%
- Refactored backend architecture, reducing API latency by 50% and enabling 3x client scaling within 6 months
- Led a team of 5 and reduced platform tech debt by 25% - Developed solutions leveraging online payment features to enhance customer transaction experiences
- Tech Stack: Django, DRF, Shopify, React, Laravel, Azure, AWS, Sentry, Grafana

PiChain Innovations Pvt Ltd, Bangalore

Software Developer

01/2021-08/2021

- Led product and architecture end-to-end for an RBI-compliant vKYC SaaS platform adopted by 30+ NBFCs, cutting customer onboarding from ~1 week to under a day; designed the microservices topology, data models, multi-tenant session orchestration, and audit/retention pipeline from scratch.
- Architected and built the real-time video KYC engine on WebRTC - owning signalling, peer connection lifecycle, and ICE/STUN/TURN configuration, paired with high-availability Django/DRF and Flask backend APIs, OCR ingestion, and banking partner integrations.
- Drove the platform from concept to production launch in record time, working directly with NBFC compliance stakeholders to translate RBI vKYC guidelines into product behaviour.
- Tech Stack: Python, Django, Microservices, WebRTC (STUN/TURN), AWS, PostgreSQL

HaxoTech LLP, Jalandhar

CTO & Co-Founder

12/2019-11/2020

- Architected and launched a retail billing and inventory management platform from zero to production in under 3 months, drove pilot rollout with early retail customers and iterated to harden it for launch.
- Led a 15-member cross-functional team (backend, frontend, mobile, design), setting sprint cadence and code review standards while staying hands-on in Django/DRF and GraphQL core modules and engaging directly with clients on scoping and demos.
- Tech Stack: Python, Django, DRF, GraphQL, REST APIs, System Architecture, PostgreSQL, AWS, Flutter, Angular, Ionic, Figma

TeqTive IT Service Pvt Ltd, Jalandhar

CTO & Co-Founder

01/2018-12/2019

- Co-founded the company and architected a multi-tenant EdTech platform adopted by 5+ coaching institutes, improving content delivery speed by 40% and parent engagement by 30% via a Django backend and Angular/Ionic mobile-first frontends.
- Owned full SDLC and built the founding engineering team, designed system architecture and data models, recruited and mentored engineers, and ran client demos that converted institutional pilots into long-term contracts.
- Tech Stack: Python, Django, Multi-tenant SaaS, PostgreSQL, Angular, Ionic, Figma

OPEN SOURCE PROJECTS

- **Django-nocturne:** Django observability package with a LangChain-powered anomaly detection pipeline and multi-LLM root-cause diagnosis. (Django, LangChain) - [Link](#)
- **Alembic Converger:** Python library to automate Alembic migration issues. (Python) - [Link](#)
- **Custom Multiselect for Budibase:** Developed a multiselect component covering features lacking in the inbuilt component. Seamlessly integrated into Budibase. (JavaScript, Svelte) - [Link](#)
- **Django URL Shortener:** Standalone Django Library for custom URL shortening, expiration, tracking, and analytics. Packaged and published on PyPI. (Django, Redis, PostgreSQL) - [Link](#)

EDUCATION

Bachelor of Computer Applications,
Lovely Professional University, Punjab

07/2017-06/2020