

Rajat Sharma

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Summary

Full-Stack Developer with 8 years of experience in designing, developing, and maintaining scalable web applications and RESTful APIs using Python, Django, Django REST Framework, FastAPI, JavaScript, and AngularJS. Strong expertise in Object-Oriented Programming (OOP), software design principles, system architecture, and test-driven development (TDD).

Experienced in building high-performance SaaS and product-based applications across startup environments, with hands-on expertise in SQL and NoSQL databases, third-party API integrations, API maintenance, role-based authentication and authorization (RBAC), and cloud-native solutions. Skilled in integrating payment gateways, authentication systems, communication services, and other enterprise platforms.

Proficient in AWS, GCP, Azure, and Heroku, with experience in application deployment, scalability, performance optimization, and cloud infrastructure management. Familiar with AI-powered applications, Large Language Models (LLMs), prompt engineering, and AI service integrations.

Proven track record of leading engineering teams, managing the complete software development lifecycle, driving Agile/Scrum processes, and delivering business-critical solutions. Seeking a Lead Software Engineer position where I can leverage my technical expertise, leadership experience, and problem-solving skills to build innovative and scalable products.

Skills

Programming Languages: Experienced: Python, JavaScript, SQL **Familiar:** bash, java

Frameworks and Libraries: Django, DRF, Flask, FastAPI, Selenium, AngularJS, Bootstrap

Software Development Tools: PIP, NPM, GIT, Sentry, Docker, Kubernetes, Jenkins, Azure Devops

Technologies & Tools: AWS, GCP, Jira, PSQL, Celery, Redis, Opensearch, PostMan, PgAdmin, Sentry

Work Experience

SII Group India, Pune

Aug 2025 - Present

Senior Software Engineer

- Led backend development for **Reuters Connect**, a global content distribution platform that enables media organizations to buy, sell, and distribute news content across video, photo, text, and audio formats.
- Designed and implemented scalable microservices and data ingestion pipelines to support partner onboarding, content provider integrations, metadata processing, and reliable content delivery across the platform.
- Developed Python-based services for data migration, backfill operations, partner query updates, content transformation, and bulk processing of legacy and live datasets, ensuring data accuracy and consistency.
- Built and maintained serverless workflows using **AWS Lambda**, **S3**, **DynamoDB**, and **AWS SWF** to automate content processing, partner onboarding workflows, logo management, and metadata synchronization across distributed systems.
- Automated repetitive operational tasks such as partner logo updates, content metadata corrections, bulk updates, and onboarding activities, significantly reducing manual effort and improving operational efficiency.
- Leveraged **AWS CloudWatch** for debugging, monitoring, log analysis, and incident investigation, enabling proactive issue resolution and improving system reliability and observability.
- Worked on prompt engineering and AI-assisted workflows to streamline content-related operations, automate business processes, and improve productivity within engineering and operational teams.
- Automated deployments and scheduled jobs using **Jenkins**, ensuring consistent CI/CD practices and reliable software delivery across multiple environments.
- Collaborated closely with product managers, business stakeholders, and cross-functional engineering teams to deliver scalable API integrations, enhance platform performance, and support business-critical initiatives.
- **Tech Stack:** Python, Django, Django REST Framework, AWS Lambda, S3, DynamoDB, AWS SWF, CloudWatch, Jenkins, Docker, Git, REST APIs, Microservices, Prompt Engineering.

Senior Software Engineer

- Led the development of backend APIs for the Auto desk Testing Hub project using Django, ensuring scalability and high performance..
- Designed and implemented microservices architecture, leveraging AWS Lambda for server less computing and DynamoDB for data storage..
- Configured and monitored application logs and metrics using AWS Cloud Watch, enhancing system reliability and debugging efficiency.
- Streamlined API integrations to support seamless communication between services, improving operational efficiency.
- Python, Django, Django Rest Framework, Fast API, JavaScript, Dynmodb, Docker, Kubectl, AWS, Lambda, RDS, Ec2, Redis, Celery, Git, Jira

Kellton, Gurgaon

Nov 2021 - Oct 2024

Senior Software Engineer

- Led the development and maintenance of a real estate property buying web application that actives in the 10 eastern U.S. states, handling data from Multiple Listings Sites and build the robust web application with Rest API's.
- Developed new features, optimized and maintained existing functionalities, and created a micro-services architecture with a Go server for efficient data retrieval. Coordinated integration with the main application through daily scheduled background tasks using celery.
- Processed raw data into a relational database, created REST APIs with Django Rest Framework, Fast API for business use, and used a hybrid model with Django, DRF, and VueJS for frontend development.
- Managed a team of 5 developers, providing mentorship, guidance, and oversight. Successfully handled client requirements and ensured smooth project communication. Responsible for bi-weekly releases, PR reviews, and technical decisions.
- Scraped Source data from the various resources like, zillow, Realtor, rent. Worked on importio for automated jobs.
- When I joined the project it was only actives in the 5 U.S States now it actives in the 10 U.S states, 100 percent increase in area of operations and revenue increased significantly.
- Python, Django, Django Rest Framework, Flask, Fast API, JavaScript, Bootstrap4, PSQL, Docker, Kubectl, PSQL, AWS, Lambda, RDS, Ec2, Redis, Celery, Git, Jira

Teamwave, Bangalore

Aug 2020 - Nov 2021

Full Stack Developer

- Contributed as a Full Stack Developer in a core startup team for Team wave, a comprehensive productivity management tool with modules in CRM, PM, and HRM.
- Executed day-to-day responsibilities encompassing the development of new features and the maintenance of existing CRM functionalities.
- Developed two critical feature within the CRM module the first one is Product, Emails which are the sub-module of CRM. Products enabled users to track inventory and revenue related to product orders, significantly enhancing the tool's utility wheareas the Email provide feature to link all the email conversation inside the CRM using AWS simple mail services. These module was requested feature's from lot of customers, and they provided very positive feedback, also it surpass the competitors products in the CRM domain.
- Python2, Django Rest Framework, Flask, Fast API, JavaScript, AngularJS, PSQL, AWS, S3, SNS, Ec2, Celery, Git

Grubox, Gurgaon

Dec 2019 - Jul 2020

Full Stack Developer

- Built the backend of the Grubox app using Django and Django Rest Framework for reliable and efficient operations in their mobile application which control the iot based vending machines. Also worked on the staff dashboard's frontend with AngularJS for bulk order placement and inventory monitoring.
- Created and implemented new features and dashboards for internal use at Grubox, improving overall functionality and user experience.
- Developed an offers and discount module using REST API for the mobile app during checkout. This module displayed and validated real-time offers based on set conditions, allowing the admin team to dynamically add new offers. This offer increased daily sale for the low performing products.
- Python, Django, Django Rest Framework, JavaScript, AngularJs, W3CSS, Git, Jira, Redis, Rest API's

Full Stack Developer

- Here I build internal dashboards using Django and Bootstrap. Developed the ability to integrate machine learning models with Django to create comprehensive web applications.
- acquired expertise in integrating various APIs to enhance functionality and data flow within applications.
- Learned how to extract data from websites efficiently using tools like BeautifulSoup and Scrapy.
- Python, Django, Flask, Pyramid, Bootstrap, Pandas, sklearn, Selenium

Sachtech solutions, Mohali

jun 2018 - Nov 2018

Python Developer Intern

- I gained hands-on experience in web application development using Python and Django. I developed internal dashboards and web-based tools using Django and Bootstrap while learning software development best practices, database design, and backend development concepts.
- I worked on integrating third-party APIs, web scraping solutions using BeautifulSoup.
- Python, Django, Javascript, Bootstrap,

Projects

- **Reuters Connect (Aug 2025 - Present):** Reuters Connect is a news portal where different news media company buys news in different formats video, photo, audio formats, My day to day responsibility to ingest News from various provider to the portal onboard and offboard partners, Backfill and migrate data using python scripts, AWS s3 lambda, Dynamo DB, cloud watch, AWS swf and deploy these scripts using the Jenkins.
- **Testing Hub (Oct 2024 - Feb 2025):** Testing Hub is an automation testing tool used for Autodesk products smoke testing. Here the backend APIs develop using Python Lambdas, DynamoDB, Stepfunctions and CloudWatch. My day to day responsibilities are developing REST APIs, updating Lambdas, monitoring scheduled test jobs, onboard new projects in the platform using AWS CloudFormation.
- **Scop (Nov 2021 - Oct 2024):** This project focuses on buying real estate properties and is currently active in nine eastern states of the U.S. We collect property data from multiple listing sites and store this raw data in a relational database. The properties are then listed on our web portal, built with Django and Django Rest Framework. Our business logic processes the data to calculate yield and maintenance costs, helping the market team determine if a property is profitable. The app uses microservices: MLS data is stored on a Go server, and we retrieve this data into our monolithic application through daily scheduled tasks.
- **Prism (Nov 2021 - Oct 2024):** Prism is a large-scale property management platform used by JLL to manage commercial and residential real estate properties through web and mobile applications. The platform supports work order management, property inspections, preventive maintenance scheduling, reservations, tenant communications, vendor coordination, and invoice generation. I contributed to the development and maintenance of scalable RESTful APIs using Django REST Framework (DRF), enabling seamless integration between various system components and business workflows. I worked extensively with Celery and Redis to implement asynchronous task processing, automate critical operations, and improve system performance and reliability. Additionally, I was responsible for feature development, production support, debugging, performance optimization, and monitoring using Sentry and Datadog, ensuring high availability.
- **Teamwave (Aug 2020 - Nov 2021):** Teamwave is a productivity management tool comprising three modules: CRM, project management, and HRM. Its product base company. The backend is built using Django Rest Framework, while AngularJS powers the frontend. I served as a full-stack developer within the core startup team responsible for developing this product.
- **Grubox (Dec 2019 - Aug 2020):** I contributed to the development of a project at Grubox, an IoT-based vending chain startup founded by IIT alumni. Grubox operates over 200 vending machines in the NCR region where customers can buy snacks, chocolates, and soft drinks. The backend of the project was built using Django and Django Rest Framework, while the frontend of the staff dashboard was developed using AngularJS.

Education**Guru Nanak Dev University, Amritsar**

Aug 2013 - Jun 2017

B.tech in Electronics and Communication (ECE)

CGPA: 6.97/10

In this time frame I have studied core electronics and communication concepts. I studied, electronic components, circuits, the microprocessors, micro controllers, Signal system, Image processing, Embedded System, basic programming, In which my favorite one is IoT (Internet of Things)

Awards and Certificates

- Employee of the quarter Dec 2018- March 2019
- REST API development using DRF on Udemy
- Django web development on Udemy