

Rajat Sharma

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Summary

I am a full-stack developer with 7 years in web development, specializing in Python. I have a strong background in Object-Oriented Programming, coding principles, design concepts, and test-driven development. Throughout my career, I have worked with various startups to design and develop product-based web applications and rest API's using technologies like Python, Django, Django Rest Framework, Fast API, JavaScript, and AngularJS. I have a good experience with SQL and NoSQL databases.

My proficiency in creating high-performance applications and have significant experience with SaaS platforms and the real estate industry. I have managed the full software development life cycle and led teams as a scrum master. In addition, I have experience with cloud technologies, including AWS, GCP, Azure, and Heroku.

I am seeking a challenging position as a senior software engineer (SDE2 / SDE3) at a leading product-based company to apply my programming skills, problem-solving abilities, and collaborative mindset.

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

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

Work Experience

SII Group India, Pune

Aug 2025 - Present

Senior Software Engineer

- Led backend development for **Reuters Connect**, a global news distribution platform enabling media organizations to buy and sell news content across video, photo, and audio formats.
- Designed and implemented scalable data ingestion pipelines to onboard and offboard news providers, ensuring reliable and timely content delivery.
- Developed Python-based services and scripts to backfill, migrate, and transform large volumes of legacy and live data with high accuracy.
- Built serverless workflows using **AWS Lambda**, **S3**, and **DynamoDB** to process and store news metadata and assets efficiently.
- Integrated and monitored distributed workflows using **AWS SWF** and **CloudWatch**, improving observability, fault detection, and system reliability.
- Automated deployments and scheduled jobs using **Jenkins**, ensuring consistent CI/CD practices across environments.
- Collaborated closely with cross-functional teams to streamline API integrations and enhance platform performance and operational efficiency.
- **Tech Stack:** Python, Django, Django REST Framework, AWS Lambda, S3, DynamoDB, AWS SWF, CloudWatch, Jenkins, Docker, Git, REST APIs

Quarks Technosoft, Gurgaon

Oct 2024 - Feb 2025

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, Web Scraping, Beautiful, Flask, Fast API, JavaScript, Bootstrap4, OpenCV, PSQL, Dynmodb, Docker, Kubectl, PSQL, AWS, Lambda, RDS, Ec2, Redis, Celery, Git, Jira

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.
- Scrapped 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, Web Scraping, Beautiful Soup, OpenCV, Langchain, 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 whereas 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, Pyramid, 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

Paradise techsoft, Chandigarh

Dec 2018 - Dec 2019

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

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 a automation testing tool used for autodesk products smoke testing. Here the backend api's developed using Python Lambdas, DynamoDB, Stepfunctions and cloudwatch. My day to day responsibilities are developing rest api's, updating lambdas, monitoring schedule 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..
- **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

B.tech in Electronics and Communication(ECE)

Aug 2013 - Jun 2017

CGPA: 6.97/10

In this time frame i have studied core electronics and communication concept. 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