

Ankit Kumar Rathod

Sr. Software Engineer | Full Stack Developer | Python | Django | FastAPI | Flask | ReactJs

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PROFESSIONAL SUMMARY

- 9+ years of experience in building and scaling **web applications** using **Python, Django, Django REST Framework, Flask**, FastAPI and modern front-end tools like **React, HTML, CSS, and Bootstrap**.
- Proven ability to **lead and mentor software development teams**, manage project delivery, and ensure high-quality code and timely releases.
- Skilled in **REST API design, microservices architecture**, and **Test-Driven Development (TDD)** across multi-tenant and SSO-enabled systems.
- Skilled in **third-party integrations** including **Stripe, Mollie, Google APIs, and DocuSign**, as well as asynchronous task management using **Celery**.
- Strong knowledge of **software design principles (MTV/MVC)**, API versioning, and deployment pipelines using **Docker, CI/CD, and cloud platforms (AWS, Azure, Heroku, DigitalOcean)**.
- Experienced in **database design, schema migration**, and performance optimization for **PostgreSQL, MySQL, SQLite, and MongoDB**.
- Proficient in **web scraping, Celery-based asynchronous tasks**, and integration of third-party services (Stripe, Mollie, Google APIs, DocuSign).
- Hands-on experience with **GitHub, Bitbucket, GitLab**, and **Agile (Scrum)** methodology, leading teams to deliver high-quality, scalable products on time.

Technical Skills

- **Languages:** Python
- **Frameworks:** Django, Django REST Framework, Flask, FastAPI, ReactJS, Familiar with Express Js.
- **Databases:** PostgreSQL, MySQL, SQLite, MongoDB
- **Cloud/DevOps:** AWS (EC2, S3, RDS, LB, Amazon Aurora DSQL), Azure, Docker, Kubernetes, CI/CD (CircleCI, Travis CI, GitHub Actions), Digital Ocean, Heroku
- **Tools:** Git, Bitbucket, Prometheus, Opsgenie, VS Code, PyCharm
- **Methodologies:** Agile, Scrum, TDD

Education

- **B.E. (Information Technology)** – Mahakal Institute of Technology, Ujjain (2015) | CGPA: 7.14
- **12th:** SVM Vijay Nagar, Dewas (2011) – 82.8%

- **10th:** SVM Vijay Nagar, Dewas (2009) – 73.6%

PROFESSIONAL EXPERIENCE

Vertisystem Pvt. Ltd. — *Software Engineer*

Duration: April 2023 – Present

Role Summary:

- Working as a Full Stack Developer, leading backend and frontend modules using Python, Django, ReactJS, REST APIs, Flask, FastAPI, NextJs and express js.
- Contributed to technical hiring, mentoring.
- Collaborating with cross-functional teams to deliver scalable, data-driven applications.
- Responsible for code quality, deployment pipelines, and ensuring smooth production operations.

Deqode Private Limited, Indore — Associate Team Lead

Duration: August 2020 – September 2022

Role Summary:

- Led multiple Python projects and managed a team of backend developers.
- Oversaw project design, sprint planning, and client communication.
- Contributed to technical hiring, mentoring, and training of Python freshers.
- Collaborated with the sales team to prepare technical documentation and pre-sales proposals.

Bestpeers Infosystem Pvt. Ltd., Indore — Senior Software Engineer

Duration: November 2015 – August 2020

Role Summary:

- Worked as Senior Python/Django, Flask Developer, leading multiple end-to-end software projects.
- Designed REST APIs, optimized backend performance, and ensured application scalability.
- Mentored and trained junior developers in Django, REST Framework, and clean architecture.
- Collaborated with QA, frontend, and DevOps teams to achieve timely product releases.

PROJECT EXPERIENCE

Thalia – Semiconductor Design Automation Platform

Description: Thalia is an AI-powered semiconductor design automation platform that accelerates analog, mixed-signal, and RF IP migration. It helps chip design companies reuse existing designs efficiently, reducing development cost and time-to-market.

Tech Stack: Python, PyQt5, Pandas, NumPy, Socket Programming

Key Contributions:

- Developed the core callback engine enabling dynamic event handling between system components.

- Refactored PyQt5 dependencies by introducing custom lightweight classes, improving modularity and maintainability.
- Collaborated with cross-functional teams to enhance automation workflows and system performance.

TheHRSoft – Cloud-Based HR & Recruitment SaaS

Description: TheHRSoft is a cloud-based HRMS platform for global staffing firms and enterprises. It streamlines talent hiring, job posting, client acquisition, and payroll management through automation.

Tech Stack: Python, Django, DRF, django celery, ReactJS, Postgres, Aurora db, aws service, prometheus, Web scrapping, docker, docker swarm, SQL, Pandas.

Key Contributions:

- Designed and implemented core HR and pricing modules with clean REST API architecture.
- Developed asynchronous task management using Celery and Redis for scalable performance.
- Integrated Prometheus monitoring and led a backend team to enforce coding standards.

Swiggy – Online Food & Grocery Delivery Platform

Description: Swiggy is a leading Indian food and grocery delivery service, offering on-demand meals, Instamart groceries, and instant package delivery through Swiggy Genie.

Tech Stack: Python, Django, Django REST Framework, MySQL, JavaScript, HTML, Docker

Key Contributions:

- Developed backend web services using Python and Django REST Framework for various core modules.
- Analyzed and optimized database queries, improving overall API performance and efficiency.
- Built cron jobs and automation scripts to manage scheduled operational tasks.
- Designed database schema and implemented complete CRUD operations.
- Contributed to frontend development using JavaScript and HTML for internal dashboards.
- Participated in all SDLC phases — analysis, design, development, and testing.
- Worked on microservices architecture, implementing mock and integration tests for reliability.

Equifi – Mortgage & Home Equity SaaS Platform

Description: Equifi is a multi-tenant SaaS platform that offers mortgage and home-equity-based financing solutions. It helps lenders and homeowners digitize the mortgage process through secure, cloud-based automation.

Tech Stack: Python, Django, DRF, Postgres, Aurora db, aws service, azure services, prometheus, sso, auth0, docker, docker swarm, django celery.

Key Contributions:

- Architected multi-tenant system design and implemented SSO authentication using Auth0.
- Integrated DocuSign for digital signatures and automated loan workflow management.
- Deployed and maintained the system on Azure, improving operational efficiency and reliability.

Create Every Opportunity (CEO) – Education & Training Platform

Description: CEO Connect is a web-based learning platform that delivers over 300 interactive modules on financial literacy, entrepreneurship, and job readiness to students and rehabilitation centers.

Tech Stack: Django, Redis, Celery, NextJS, AWS, PostgreSQL, DRF, AWS

Key Contributions:

- Led full-stack development and created modular, reusable backend components.
- Optimized API performance and implemented asynchronous task queues for scalability.

- Collaborated with content experts to deliver a robust and engaging user experience.

Sailo – Global Boat Rental & Yacht Charter Marketplace

Description: Sailo is an online marketplace connecting boat owners, charter companies, and renters across continents. It enables users to book yachts and sailing exper. through a seamless, secure platform.

Tech Stack: Django, DRF, CircleCI, AWS, PostgreSQL

Key Contributions:

- Developed REST APIs for the iOS mobile app, managing booking and payment modules.
- Implemented CI/CD pipelines using CircleCI for automated deployment.
- Enhanced API response efficiency and data consistency across services.

Whoppah – Online Marketplace for Secondhand Design Furniture & Art

Description: Whoppah is a European marketplace for buying and selling secondhand designer furniture, art, and décor. It connects professional sellers and consumers through a secure online platform.

Tech Stack: Python, Django, Flask, DRF, PostgreSQL, AWS, Docker

Key Contributions:

- Developed backend web services using Python and Flask for product listings and transactions.
- Designed and implemented database schema for efficient product management and search.
- Built web scraping services to aggregate product data from multiple merchant sites.

Sooky – Meta Search and Socialized Search Engine

Description: Sooky is a meta-search engine that aggregates results from multiple platforms, allowing users to customize and comment on searches for a more social search experience.

Tech Stack: Python, Django, DRF, JavaScript, HTML, CSS

Key Contributions:

- Designed and developed the project end-to-end, including database schema and API integration.
- Integrated third-party search APIs for real-time search aggregation.
- Built class-based views and deployed the application with comprehensive testing.

Project: Stumbler

Description: It's social a mobile and web application platform where users can upload funny videos, memes etc.

Tools & technologies: Python, Django, DRF, Postgres, aws service, docker, docker.

Roles & Responsibilities:

- I had worked as a backend developer to implement the searching, rendering the video algorithm.
- worked in preparing the django rest api for the mobile developer.
- Implement the database design and maintain the application on the server side.
- Implemente social authentication.

Stumbler – Social Media Platform for Videos & Memes

Description: Stumbler is a social platform where users can upload and share short funny videos and memes via mobile and web.

Tech Stack: Python,Flask, DRF, PostgreSQL, AWS, Docker

Key Contributions:

- Implemented video rendering and search algorithms for optimized content delivery.
- Developed Django REST APIs for mobile app integration.
- Managed social authentication and improved backend performance.

DECLARATION

I hereby declare that all the information stated above is true and complete to the best of my knowledge.

Date:

Place: Indore

Ankit Kumar Rathod