

Mrunal Kukre

Senior Software Engineer

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PROFESSIONAL SUMMARY

Results-driven **Python Developer** with 3 years of experience in **Django** and **Django Rest Framework (DRF)** for building **scalable, secure, and high-performance web applications**. Proficient in designing and implementing **RESTful APIs**, optimizing database performance, and implementing secure authentication systems. Passionate about **writing clean, maintainable code**, following **best practices (PEP 8, SOLID principles)**, and **automating processes** to improve development workflows. Intermediate proficiency in Japanese translation and interpretation.

Technical Skills

- **Languages:** Python, JavaScript, SQL
 - **Frameworks & Libraries:** Django, Django Rest Framework
 - **Databases:** PostgreSQL, MySQL, SQLite, Oracle SQL
 - **Frontend:** HTML, CSS, JavaScript, Bootstrap
 - **Testing & Debugging:** Pytest, Unittest, Postman
 - **Version Control:** Git, GitHub
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WORK EXPERIENCE

Capgemini | Japanese Bilingual | Python Django Developer
Senior Software Engineer | June, 2022 — Present, Pune

Python Django Developer

- **Developed scalable web applications** using Django and DRF, following best coding practices and design patterns like **MVC and MVT**.
- **Designed and implemented RESTful APIs** for various services, ensuring efficient communication between frontend and backend systems.
- **Optimized database queries** in PostgreSQL/MySQL by implementing indexing, caching strategies (Redis), and ORM query optimizations, improving query performance by **30–40%**.
- Implemented **user authentication & authorization** with Django's built-in authentication system.
- **Ensured application security** by implementing protection against CSRF and following OWASP best practices.
- **Collaborated with cross-functional teams** including frontend developers, UI/UX designers, and DevOps engineers to deliver high-quality products.
- Formulated unit tests using **Pytest, Unittest** to improve code quality and API documentation using Postman.

App Rationalization

- Followed Agile methodologies, actively participated in stand-up calls for effective team collaboration.
- Successfully launched new insurance products, contributing to substantial business growth.
- Assisted as a translator and interpreter for the client meetings.
- Formulated and executed complex queries in **Oracle SQL** to fetch and compare data for testing.
- Successfully delivered solutions regardless of tight deadlines.

Accenture Pvt. Ltd | Python Developer

Application Development Associate | June 2021 — May 2022, Pune

- Assisted in developing **Django-based web applications** and fixing bugs in production code.
- **Implemented REST APIs** for data retrieval and manipulation.
- Wrote **unit tests using Pytest**, increasing code coverage and reliability.
- **Created API documentation** using Postman and Swagger.

Projects

1. E-commerce Platform (*Django*)

- Designed and developed a **fully functional e-commerce platform** with user authentication, shopping cart, and secure payment integration.
- Implemented **Django Rest Framework (DRF)** to provide API support for frontend & mobile apps.
- Integrated user login and authentication, product management, cart system and **Stripe payment**.
- Developed a **custom admin dashboard** for managing products, orders & customers.

2. Various Interest Calculator (*Python, Django, DRF, PostgreSQL*)

- Developed a financial interest calculator for **FD, RD, PPF, etc** using Django.
- Used **Django Rest Framework** to create APIs for frontend integration.
- Integrated **Chart.js** for **graphical data visualization** of investment growth.
- Added **user authentication & database storage** for saved calculations.

Education

BE Mechanical, AISSMS COE, Pune
August 2016 — June 2020
CGPA: 8.58

Languages

Japanese, English, Hindi, Marathi