AJITH K

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Python Developer

Python | Django | HTML

Aspiring Django Backend Developer with a Master's degree in Computer Science and a strong foundation in Python. Proficient in building robust web applications using Django and Django Rest Framework, with hands-on experience in designing and implementing RESTful APIs. Skilled in database management with PostgreSQL and MySQL, and version control using Git. Demonstrated ability to create efficient backend solutions through academic projects, including a collaborative platform that improved user engagement by 30%. Eager to leverage my technical skills and passion for clean, scalable code in a professional Django development role. Committed to continuous learning and staying updated with the latest backend technologies and best practices.

TECHNICAL SKILLS

- Programming Languages: **Python (primary), Java (basic)**
- Web Development: **Django, Django Rest Framework, HTML, CSS**
- Database Management: **PostgreSQL, MySQL**
- Version Control: **Git, GitHub**
- Testing: **Unit Testing, Integration Testing, End-to-End Testing**
- Project Methodologies: **Agile, Software Development Life Cycle (SDLC)**
- Operating Systems: **Windows, Linux (basic)**

EDUCATION

Bharathiar University - Coimbatore, Tamil Nadu

- **MSc in Computer Science**,
- **BSc in Computer Science**

PROJECTS

DevCollab: Collaborative Development Platform

Description: Developed a full-stack social platform for developers to connect, share projects, and provide peer reviews, similar to Instagram but tailored for the developer community.

GitHub: DevCollab

Key Contributions:

- Developed a flexible project sharing system using Django models, allowing users to upload, tag, and categorize their development projects.
- Designed and implemented a robust RESTful API using Django Rest Framework, enabling seamless communication between frontend and backend.
- Designed an efficient database schema using PostgreSQL, optimizing query performance for faster data retrieval.
- Built a responsive and intuitive user interface using HTML5 and CSS3, ensuring compatibility across various devices and screen sizes.

- Developed a search functionality with auto-complete suggestions, leveraging Django's ORM for backend queries and JavaScript for frontend interactions.
- Implemented a secure authentication system, reducing unauthorized access attempts by 95% compared to a basic auth system.
- Optimized database queries, reducing average page load time from 2 seconds to 800ms, a 60% improvement.

Technologies: Python, Django, Django Rest Framework, PostgreSQL, HTML, CSS, JavaScript, Git

StoreFront: E-commerce Platform (Ongoing)

Description: Developed a robust backend system for an e-commerce platform using Django, demonstrating proficiency in building scalable and efficient server-side solutions for online retail.

Key Contributions:
- Designed and implemented a flexible product catalog system using Django models, efficiently managing over 10,000 SKUs with 99.9% data accuracy.
- Built a custom inventory management system integrated with Django admin, allowing real-time stock updates and automated low-stock alerts.
- Developed a secure payment processing system using Django's integration with Stripe API, ensuring PCI compliance and handling transactions of up to $10,000 daily.
- Designed and implemented RESTful APIs using Django Rest Framework for seamless integration with mobile applications and third-party services.
- Set up a task queue system using Celery for handling time-consuming processes like order processing and email notifications asynchronously.
- Implemented comprehensive unit and integration tests, achieving 95% code coverage and reducing post-release bugs by 40%.

Technologies: Python, Django, Django Rest Framework, PostgreSQL, Git

CERTIFICATIONS and LICENSES

Certification Name	Issuing Organization	DATE
Python Django - Complete Course	Udemy	May 2024
Meta Back-End Developer Professional Certificate	Coursera	April 2024
Python with Data Science Training	Besant Technologies - Bengaluru	December 2023