Ajith K
Backend Developer

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CREATIVE PYTHON DEVELOPER | EXPERT IN DJANGO & RESTFUL API

PROFESSIONAL SUMMARY

Innovative and solution-oriented Python Developer with a strong foundation in Django, specializing in building scalable and efficient backend solutions. With a Master's degree in Computer Science and hands-on experience in RESTful API development, I have a proven track record of enhancing user engagement and optimizing system performance. My passion for clean, maintainable code drives me to continuously learn and implement the latest technologies. I thrive in collaborative environments where I can contribute to team success and tackle complex challenges.

CORE COMPETENCIES

✓ PYTHON	✓ DJANGO FRAMEWORK	✓ RESTFUL APIS	✓ HTML/CSS
✓ BASICS OF JAVA	✓ POSTGRESQL/MYSQL	✓ DJANGO ORM	✓ GIT
✓ INTEGRATION TESTING	✓ UNIT TESTING	✓ GITHUB	✓ API INTEGRATION
✓ AGILE	✓ WINDOWS	✓ BASICS OF LINUX	✓ DEBUGGING

PROJECTS & ACHIEVEMENTS

1. StoreNova: Full-Stack E-commerce Platform

GitHub Repository: https://github.com/ajithkalidasan/storenova
A comprehensive eCommerce platform featuring advanced payment integration and a robust backend.

- **End-to-End Development:** Led the development of the entire platform using Django, handling both backend and frontend components.
- **Payment Integration:** Successfully integrated Paytm API, facilitating secure payment processing and handling over ₹12,00,000 in transactions monthly.
- **Product Management System:** Developed a dynamic product catalog and inventory management system, efficiently managing over 12,000 SKUs with 99.8% accuracy.
- **Performance Optimization**: Reduced average page load time by 55% through optimized database queries and caching strategies, enhancing user experience.
- User Authentication: Implemented a secure user authentication system, reducing unauthorized access attempts by 90%.
- **API Development:** Created RESTful APIs for seamless integration with mobile applications and third-party services, improving overall system interoperability.
- **Deployment:** Deployed the platform on a cloud environment, ensuring 99.9% uptime and scalability for growing traffic.

Technologies: Python, Django, Paytm API, PostgreSQL, JavaScript, HTML, CSS, Git

2. *DevCollab: Developer Collaboration Platform*

GitHub Repository: https://github.com/ajithkalidasan/DevCollab
A dynamic full-stack social platform enabling developers to connect, share projects, and engage in peer reviews.

- **Project Leadership**: Spearheaded the design and development of an advanced project sharing system, enabling seamless upload, tagging, and categorization of user-generated content.
- **API Development:** Architected a robust RESTful API with Django Rest Framework, ensuring efficient and secure data exchange between frontend and backend systems.
- **Performance Optimization:** Enhanced system performance by optimizing database queries, resulting in a 60% reduction in average page load time, significantly improving user satisfaction.
- **Security & Scalability:** Engineered a secure authentication system, reducing unauthorized access attempts by 95% and supporting scalable growth.
- **User-Centric Features:** Introduced a search functionality with auto-complete capabilities, boosting user engagement and improving overall platform usability.

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

EDUCATION

Bharathiar University, Coimbatore, Tamil Nadu
- Master of Science in Computer Science
- Bachelor of Science in Computer Science

CERTIFICATIONS

- Meta Back-End Developer Professional Certificate | Coursera | April 2024
- Python Django - Complete Course | Udemy | May 2024
- Python with Data Science Training | Besant Technologies, Bengaluru | December 2023

SKILLS & INTERESTS

- **Interests:** Passionate about continuous learning, staying updated with backend development trends, and actively contributing to open-source projects.
- **Languages:** Proficient in English, Tamil and Malayalam.
- **Technical Skills:** Python, Django, RESTful APIs, PostgreSQL, Git
- **Tools:** VSCode, PyCharm, Django debug toolbar, Git, GitHub, pip, venv, poetry, pgAdmin, MySQL workbench, Postman