

Alex Chen

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Summary

Highly motivated and detail-oriented Python Developer with 4 years of experience in building and maintaining scalable web applications and data processing pipelines. Proficient in Django, Flask, and various data science libraries. Seeking to leverage expertise in backend development and automation to contribute to a dynamic engineering team.

Skills

- **Languages:** Python, SQL, JavaScript, HTML/CSS
- **Frameworks:** Django, Flask, FastAPI
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis
- **Libraries:** Pandas, NumPy, Scikit-learn, SQLAlchemy
- **Tools:** Git, Docker, Jenkins, AWS (EC2, S3), Pytest
- **Methodologies:** Agile, Scrum, Test-Driven Development (TDD)

Professional Experience

Backend Developer | Tech Solutions Inc. | June 2021 – Present

- Developed and maintained RESTful APIs using Django Rest Framework for a high-traffic e-commerce platform, improving response times by 20%.
- Engineered a data processing pipeline using Celery and Redis to handle asynchronous tasks, processing over 1 million records daily.
- Wrote comprehensive unit and integration tests with Pytest, increasing code coverage to 90% and reducing production bugs.
- Collaborated with frontend developers and product managers in an Agile environment to deliver new features on a bi-weekly sprint schedule.

Junior Python Developer | Data Innovators LLC | May 2019 – June 2021

- Assisted in the development of a customer analytics dashboard using Flask and Pandas, providing key insights into user behavior.
- Created automation scripts to streamline data extraction and reporting processes, saving over 10 hours of manual work per week.
- Contributed to database design and management in PostgreSQL, writing efficient SQL queries and optimizing table structures.

Education

B.S. in Computer Science | State University | 2015 – 2019

- *Relevant Coursework:* Data Structures & Algorithms, Web Development, Database Systems, Software Engineering