Ankit Kumar

Senior Software Developer

⊙ Bengaluru, India 560077
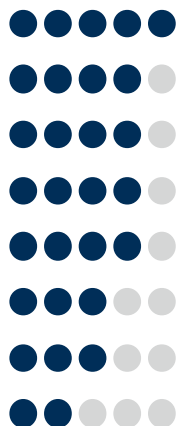
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Ankit is working as a Senior Software Engineer at ZS Associates and has overseen development of scalable backend features for the company's In-House Data Processing platform ZAIDYN. Some of the major achievements include contributing towards building the No. 1 live gaming app in Norway, Sweden, and Denmark, called as All Against One - that allowed nearly 1M+ users to participate in a Live Quiz show, and which handled around 3500 TPS (transactions per second). Strong believer in the philosophy of being the Jack-of All-Trades and Master-Of-Some, Ankit has worked on a range of projects, whether it be building ML models, scaling a Live Gaming App, or working on backend features for a data processing platform.

🔗 Websites, Portfolios, Profiles

- https://www.linkedin.com/in/ankitjaadoo
- https://github.com/ankitjaadoo
- https://medium.com/@ankitjaadoo

🏷 Skills

- Python
- Django
- Flask
- SQL
- REST API
- AWS
- Computer Vision
- React.JS

💼 Work History

2022-08 - Current

Senior Software Developer
ZS Associates, Bengaluru

- Developed robust and modular components for ZS's data processing platform, ZAIDYN, utilizing Python, Fast API, Flask and React.JS and developed key features such as Migration, to enable users to migrate

their data between different versions of application, as well as Approval Requests, which helped users to streamline approval process before any sort of transformations take place on input data.

- Orchestrated and managed data workflows for our application using AWS's MWAA service.
- Built responsive API endpoints using REST API concepts and ensured baseline Code Coverage with Unit/Integration tests via pytest.
- Collaborated with DevOps and Cloud Security team for seamless platform deployment and monitoring.
- Mentored junior developers, providing guidance on best practices and coding techniques for improved productivity.
- Improved software performance by identifying and resolving bottlenecks in code, and fixed Coverity issues.

2021-01 - 2022-08

Backend Developer
Adappt, Bengaluru

- Crafted scalable backend modules using Django REST API for Most Downloaded Live Gaming App, and Most Viewed Live show (All Against One) in Nordic Countries such as Norway, Denmark, and Sweden hosted by European entertainment leader, Banijay Group.
- Utilized Rabbitmq, Celery, and Amazon SNS to support 1M users recording 3500 TPS (Transactions per Second) in live game scenario.
- Formulated CI/CD pipeline for Android and iOS application builds via GitHub Actions and FastLane.
- Engineered stress/load testing tool using Locust and Faker libraries in Python for comprehensive application evaluation.

2019-11 - 2021-01

Software Engineer
CNB Tek, Bengaluru

- Developed, maintained, and scaled Image detection and character recognition solutions with OpenCV and Deep Learning, deployed using Flask and React.JS.
- Boosted operational efficiency of Smart Gate product from 84% to 92%
- Used Geo-Location APIs to design vehicle tracking application (imagine tracking app like that of Uber, but specifically for moving containers) and Google OCR API to detect and recognize RFID tags attached to containers.
- Integrated Tesseract Single-Shot detector to replace batch image processing, reducing latency by 45%.
- Prepared training/testing data with labels and convolution filters to enhance prediction accuracy of deployed models.

2017-07 - 2019-10

Systems Engineer
Tata Consultancy Services, Bengaluru

- Involved in maintenance of highly available audit applications using Hadoop framework and performing real-time data extraction, moving data between clusters, and transforming input data using Talend as well as Oozie.
- Fixed ad-hoc defects based on performance issues faced due to lazy loading of data from Hadoop data centers using AngularJS and reduced Turnaround Time for such defects by 20%.
- Remote deployment of major releases of application and smoke testing to certify smooth functioning of application.

- Created detailed project plans outlining scope, timeline, resources required, and potential risks associated with each initiative undertaken by engineering team.

🎓 Education

2013-07 - 2017-05

Bachelor of Science: Computer Science

Asansol Engineering College - Asansol, India