

# ANU ABRAHAM

Lead Software engineer | Python Backend Developer

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## Summary

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Experienced and results-driven professional with 8 years of expertise in Python development, DevOps, AWS/Azure cloud platforms, and team leadership. Proven track record of successfully leading and managing cross-functional teams to deliver high-impact solutions. Demonstrated proficiency in Python for data science, encompassing data orchestration, analysis, transformation, and predictive model development. Seeking a challenging role to contribute technical expertise, leadership, and innovation to a dynamic and growth-oriented organization.

## Skills

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**Programming Language and Frameworks:** • Python • FastAPI • Django • Flask

**Packages:** Numpy • Numba • Pandas • Dask • BeautifulSoup • Sphinx • Mypy • Pylint • Flake8 • AutoPEP8  
• Pytest • Locust • Joblib

**Developer Tools/Platforms:** Azure • AWS • Docker • Power Bi • Kubernetes • Gitlab • Git • GitHub Action  
• Sonar Cloud • Prometheus • Grafana

**Database:** • MS SQL • Postgres SQL • Mongo DB

## Experience

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### Nasdaq

Bangalore, India

Senior Software Specialist

August, 2023 - Present

Expert in Web Scraping, Classification, and AWS Deployment for Enhanced Data Analysis

- Developed components for web scraping, focusing on extracting ESG reports and news related to various companies to analyze their performance on the sustainability score provided by the organization.
- Engineered logic for classifying data into different report and article types, enhancing the organization's ability to categorize and analyze information effectively.
- Implemented the retrieval of diverse metadata for in-depth analysis, contributing to a comprehensive understanding of the underlying data.
- Leveraged proficiency in Python to swiftly address and resolve bugs within tight deadlines, demonstrating the ability to troubleshoot and enhance code efficiently.

### ABInBev

Bangalore, India

Senior Software Engineer

September, 2022 - August, 2023

Spearheaded the backend development team for the product (Media Budget Allocator).

- Lead 10 vendor partners, including UI and backend developers, and successfully delivered high-quality products on schedule.
- Engineered and implemented Github actions for CI/CD pipelines and utility pipelines, optimizing the product delivery process and ensuring seamless integration.
- Architected the database schema for MBA. Orchestrated the design and management of all microservices in FastAPI, showcasing expertise and contributing significantly to the enhancement of product functionality.
- Collaborated with cross-functional teams to facilitate upskilling and training initiatives, fostering a culture of continuous learning and professional development.
- Leveraged data pipeline skills to automate manual data updates, reducing delivery time from over 50 days to an impressive 13 days.
- Demonstrated exceptional problem-solving skills by debugging and fixing product bugs, maintaining a stable user base of 50 users and ensuring a smooth user experience.

Embraced a hybrid role as both a data engineer and software engineer in my inaugural year with the company, showcasing versatility and adaptability.

- Effectively led and managed a team of 5 vendor partners, ensuring the timely and successful delivery of data-related projects with a focus on precision and quality.
- Engineered Azure data pipelines for 13 datasets spanning 20 different countries, utilizing Pyspark and Python to implement robust solutions that met and exceeded project requirements.
- Innovatively developed reusable and easily configurable pipelines, resulting in a notable increase in overall efficiency and productivity within the team.
- Fostered collaboration with multiple teams across the organization to gain insights into data processing needs and requirements, ensuring alignment with broader company goals.
- Established an ecosystem of reusable components, actively introducing new concepts and trends to the team, contributing to a culture of innovation and continuous improvement.

## Nielsen

Bangalore, India

### Senior Software Engineer

July, 2018 - September, 2020

Headed the Backend development team, specializing in Django Rest Framework.

- Played a pivotal role in the development of analytical products at Nielsen, contributing significantly to key projects, including:

**Reporting Solution:** Led the creation of an interactive visualization platform using Power BI.

**Market Level Lift Solution:** Implemented a solution utilizing one-to-many store matching for generating a synthetic control group and measuring lift due to promotional activity.

**Market Planner:** Spearheaded portfolio-level marketing budget allocation with response curves.

- Took sole responsibility for the deployment and maintenance of products on Azure Services using Docker and Kubernetes, showcasing proficiency in cloud-based solutions and containerization.
- Demonstrated expertise in Agile methodologies and Scrum, fostering an environment of efficient project management and collaboration within the development team.
- Possessed a strong command of Git, Sonar Cloud, and GitLab CI/CD pipeline, ensuring robust version control, code quality, and seamless integration and deployment processes.

## DXC Technology

Bangalore, India

### Programmer Analyst

September, 2015 - July, 2018

Successfully utilized AWS services specializing in building custom skills for Alexa Voice Assistant, contributing to the enhancement of voice-driven applications.

- Applied Python in Data Science for comprehensive data orchestration, analysis, transformation, and the development of predictive models, showcasing versatility and proficiency in leveraging Python's capabilities.
- Utilized Microsoft Power BI Data Visualization & Analytical Tool to interpret and analyze data across diverse domains such as Insurance, Healthcare, and ITSM, demonstrating proficiency in deriving meaningful insights.
- Spearheaded the setup of end-to-end pipelines using Microsoft Cortana components, including Azure Blob, Event Hubs, Stream Analytics, Data Factory, and Azure SQL, showcasing expertise in data storytelling.
- Established end-to-end DevOps environments using the Atlassian suite and open-source tools, optimizing CI/CD pipelines and ensuring seamless integration and deployment processes.

## Education

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### Bachelor of Engineering

HKBK College of Engineering /VTU

Bangalore, 2011-2015