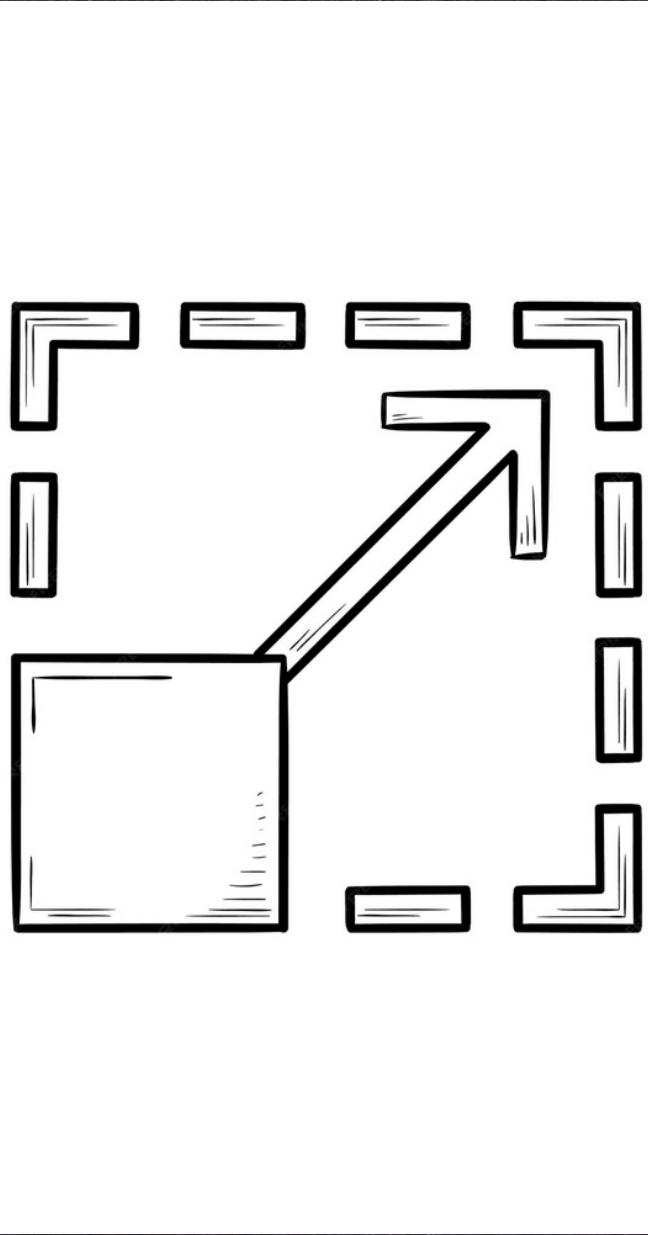




Serverless Python with AWS Lambda Project

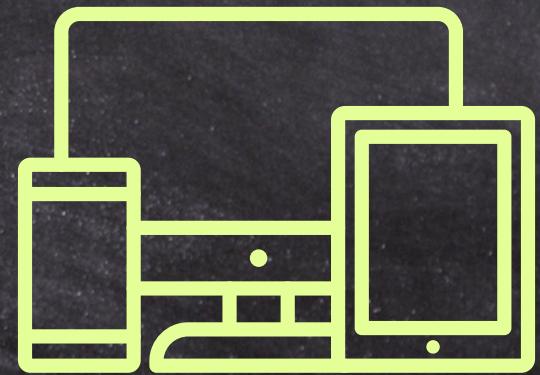
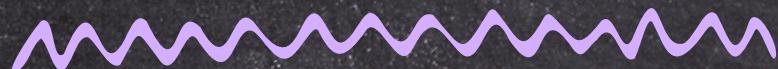


JASON NWAKAEZE



Scalability

AWS Lambda scales your code automatically in response to incoming traffic. Whether you have a handful of users or millions, Lambda ensures your application is always responsive.

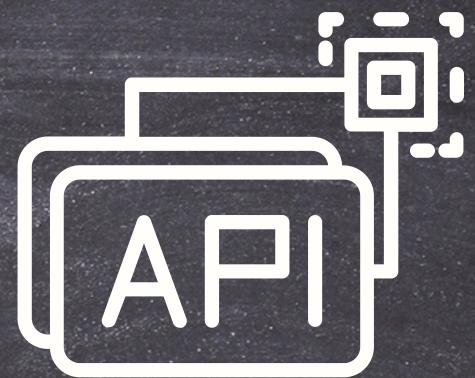




Cost-Effective

With serverless, you pay only for the compute time your functions consume. There are no upfront costs or idle server expenses, making it a cost-effective choice for startups and enterprises alike.





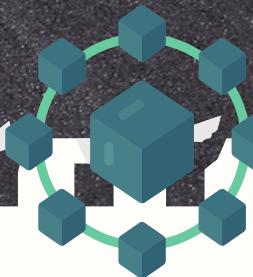
Event - Driven

Lambda functions can be triggered by a wide range of events, including API Gateway requests, S3 bucket uploads, and DynamoDB changes. This event-driven architecture simplifies building real-time applications.



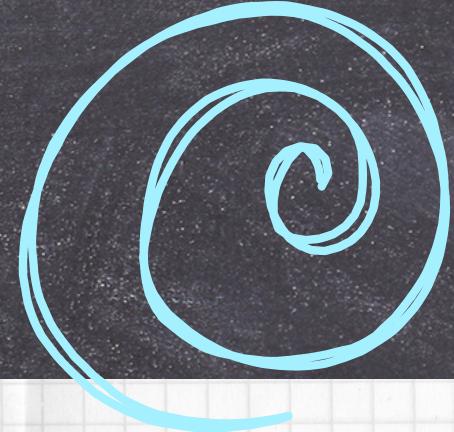
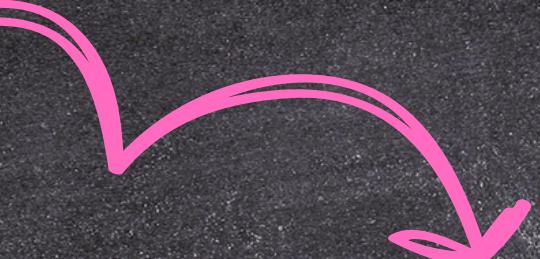


Microservices



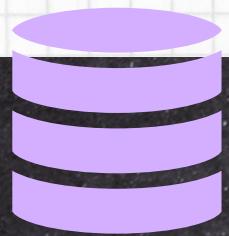
Serverless encourages the decomposition of applications into smaller, manageable functions. This microservices approach enhances code maintainability and scalability.





Serverless Ecosystem

AWS provides a rich ecosystem of services that complement Lambda, including Amazon API Gateway for building RESTful APIs and Amazon S3 for object storage.





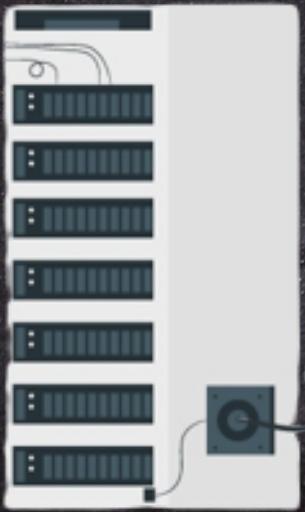
Use Cases for Serverless Python

Serverless Python is versatile and can be applied to various use cases below:



RESTful APIs

Build serverless APIs with Python using AWS API Gateway and Lambda functions.



Data Processing

Process large datasets or real-time streams using Python functions triggered by AWS services like Kinesis or SQS.





Authentication

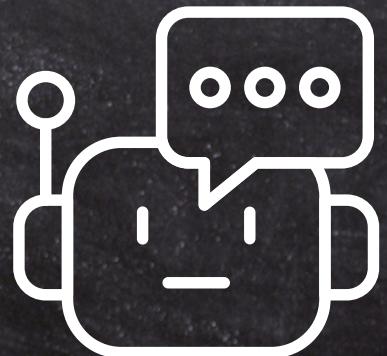
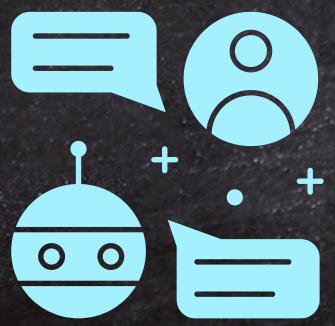
Implement serverless authentication
and authorization mechanisms for your
applications.

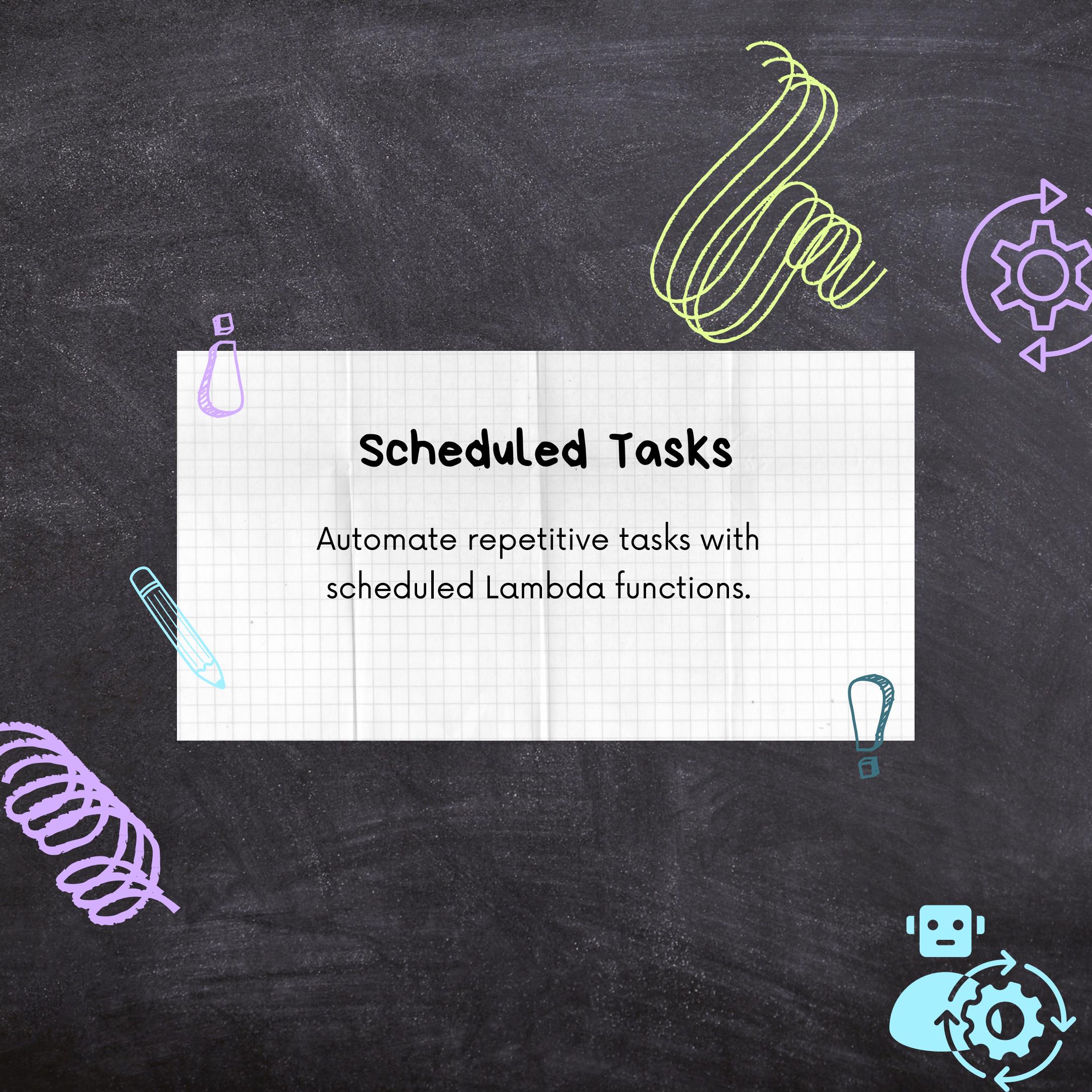
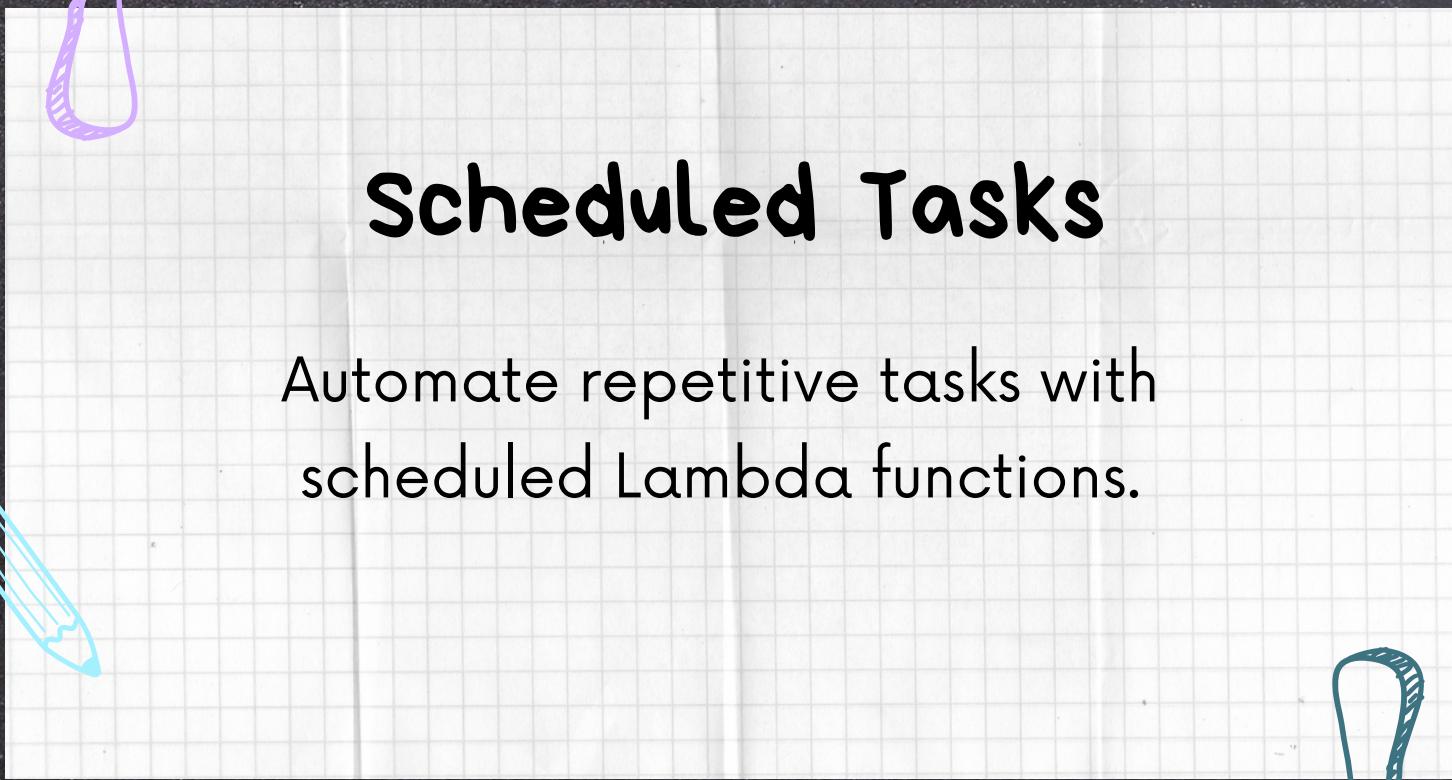


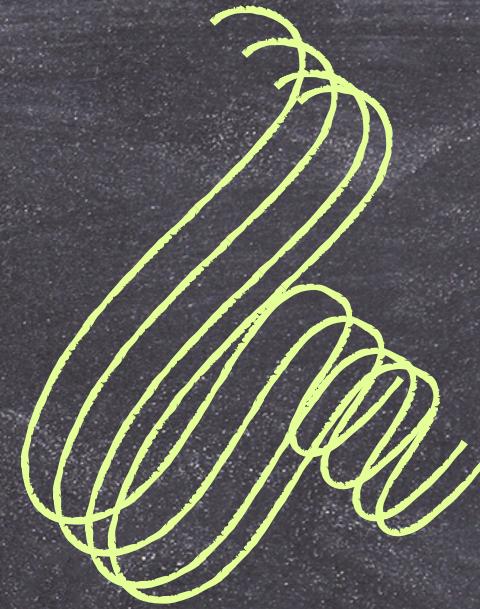


Chatbots

Develop chatbots that respond to messages in real-time with Python-powered Lambda functions.

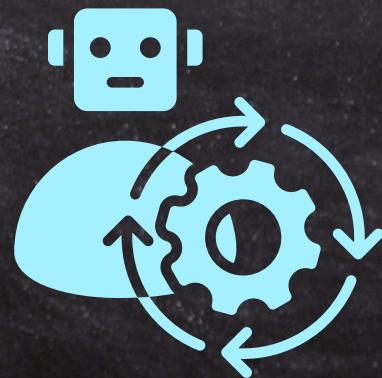
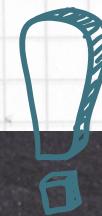






By diving into these practical guides and exploring real-world use cases, you'll gain a deeper understanding of how AWS Lambda and Python can be harnessed to simplify your tasks and add efficiency to your projects.

Whether you're a developer, a data scientist, or anyone looking to streamline repetitive processes, serverless Python is a tool worth exploring.





THANK
YOU

