

## Serverless apps are easy to build, but hard to manage across a team

As the number of team members, dev/test/prod environments, and microservices increase, building and running serverless applications can get complex — fast. While serverless pioneers have historically built their own tooling, the business logic of their teams depends on utilizing the growing menu of serverless building blocks like functions, databases, API gateways, streams, machine learning, and beyond.

The teams that approach serverless apps without the right tooling face security and compliance risks, slowing down engineers once celebrated for their speed. It's time for developer and operations tooling that can keep up with the pace of serverless teams — because the successful software teams of tomorrow are focused on developing well-architected serverless applications today. Stackery might just be your ticket to sound and reliable serverless architecture.

## Confident serverless development - for individual engineers and their teams

Your team can be on a Well-Architected path from day one. No need for AWS certifications.

To achieve true software development velocity, modern engineering teams need to utilize the best practices of serverless to build and leverage their applications.

Stackery understands that the answer to this confident, rapid serverless development lies in a deeper understanding of the relationships between AWS' library of services. Stackery's growing kit of solutions lays the groundwork for this AWS serverless discovery and provides a sustainable workflow for your entire team. Adopting and implementing Stackery as the bedrock of your engineering plan means simplified development and deployment for everyone, hold the YAML.

## Benefits

With Stackery, you can put your team on a path to building a well-architected serverless application on day one. Stackery apps include logical deployment prescriptions and a centralized AWS CodeBuild process that is adaptable to the needs of your existing CI/CD tools.

- ✓ **Designed for Developer Happiness**  
From local development workflows to familiar application components and organized deployments, you'll spend more time on the business logic and less time on infrastructure.
- ✓ **A Serverless Team for Serverless Teams**  
The teams that built Stackery and populate our community have probably seen your problem before.
- ✓ **Workflow Prescriptions, Not Science Projects**  
Why try to figure out how to build and run serverless apps when you can follow and influence the experience of many serverless teams on a SaaS platform?
- ✓ **Serverless without a PhD in AWS**  
You know what components to use to build your application architecture. Do you need to be an expert in IAM permissions for every one of those services? No.

## Stackery on AWS

Stackery gives AWS serverless developers familiar workflows, while automatically implementing best practices such as least privilege IAM settings. With Stackery, you'll also get a more effective operational platform for teams to manage the entire serverless application pipeline. Developers excited to build

serverless applications with the complete AWS serverless menu can find a flexible and confidence-boosting method to streamline their workflow with Stackery. Users benefit from a faster serverless application cycle, with a platform that provides them the time and resources to learn more about the AWS ecosystem as they build.

## Features

### ✓ **Develop Locally Against Live, Cloud Resources & Permissions**

Think you can't replicate the full menu of AWS services to your laptop's dev environment? Stackery has a solution. By providing a bridge between the Stackery CLI and the Lambda runtime AWS CLI to your live cloudstack, Stackery invokes all the resources it touches. The result? Your team can develop and debug any AWS Lambda in any language. With Stackery, you can develop functions, analyze code, and iterate in seconds without having to permission errors or deploy each change.

### ✓ **Iterate Confidently with Choreographed Environment Management**

The 12-factor operational principles dictate that an ideally-constructed serverless application features a separation of code, configuration, and credentials. Use Stackery to easily manage and define these components and redeploy in different AWS regions, with all Infrastructure-as-Code templates taken care of.

## MasterStream + Stackery

### A serverless case study for the telecom quoting industry

#### Challenge

When CPQ quoting volumes outpaced MasterStream's on-prem server capacity, their engineering team uncovered a need for automated server scalability. MasterStream decided to migrate their legacy systems to an auto-scaled cloud architecture but their "lift-and-shift" migration plan was short-lived.

MasterStream turned to serverless to alleviate costs, reduce complexity, and shorten time-to-market but lacked a proven plan to move forward.

#### Solution

MasterStream found that Stackery's development automation solutions drastically shortened the amount of time their engineers would spend researching and configuring infrastructure-as-code to provision AWS resources in the cloud.

The combination of Stackery and Epsagon (another third-party serverless tool) equipped MasterStream's engineering team with the application insights they needed to establish confidence in their new serverless path.

#### Results

By providing MasterStream's engineers with observability into their apps, Stackery eliminated the need to examine internal code or add debugging processes while empowering their engineers with infrastructure automation.

MasterStream's engineering team is now confident in a bespoke serverless path. They have arrived at a simpler, leaner serverless development process with the power of Stackery.



Find Stackery on the AWS Marketplace to get your team started with our serverless solutions today!