

Serverless Contact Form – Architecture Overview

A secure, lightweight contact form built with AWS API Gateway, Lambda, and Amazon SES. No plugins, no servers, no PHP scripts—just reliable submissions delivered to your inbox.

High-Level Architecture

Request flow from a user's browser through API Gateway to a Lambda function, which validates inputs, optionally verifies reCAPTCHA, and then uses Amazon SES to deliver email notifications.

Browser Contact Form	Amazon API Gateway	AWS Lambda	Amazon SES	Inbox
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Sequence: Browser submits form → API Gateway receives HTTPS POST → Lambda validates & assembles message → SES delivers email to your designated inbox.

Key Benefits

- No servers to manage: fully serverless and auto-scaling.
- Security by design: no exposed PHP, reduced attack surface.
- Low cost: typical usage often under \$1/month.

Security Considerations

- Input validation and size limits within Lambda.
- Optional Google reCAPTCHA verification to reduce spam.
- IAM least privilege for Lambda → SES SendEmail access.
- CloudWatch logging and metric alarms for visibility.

Contact

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