Option	Component	Initial Cost (500 ...	Future Cost (100...	Calculation Details
1. AWS Lambda	Lambda Request	$0	~$149	Initial: 750k requests are within the 1M free tier. Future: (150M - 1M free) * $0.20/M
	Lambda Duration	$0	~$416	Initial: GB-seconds are within the free tier. Future: 150M requests * 0.2s * 1GB * $0.00001667/GB-s
	SnapStart Restor	$0.10	~$20	Initial: 15k restores * 0.4s * 1GB * $0.00001667/GB-s. Future: 3M restores * 0.4s * 1GB * $0.00001667/GB-s
	Database	$0	~$111	DynamoDB On-Demand for ~150M R/W operations + 75GB storage.
	TOTAL	~$0.10	~$696	
2. AWS Lambda	Provisioned Fee	~$5.40	~$5.40	1 provisioned unit * 1GB * (price/GB-s) * (12 hours/day for 30 days)
	Lambda Request	$0	~$149	Same as SnapStart calculation.
	Lambda Duration	$0	~$416	Same as SnapStart calculation.
	Database	$0	~$111	Same as SnapStart calculation.
	TOTAL	~$5.40	~$681	
3. API Gateway +	Fargate	~$9	~$1,442	Initial: 0.25 vCPU + 0.5GB RAM. Future: 4 instances * (2 vCPU + 4GB RAM) priced per hour.
	API Gateway	$0	~$149	Request pricing same as Lambda requests.
	Network Load Ba	~$18	~$18	Required for API Gateway VPC Link, priced per hour.
	Database	$0	~$111	Same as above.
	TOTAL	~$27	~$1,720	
4. ALB + Fargate	Fargate	~$9	~$1,442	Same as above.
	Application Load	~$20	~$55	Priced per hour plus a fee based on traffic volume.
	Database	$0	~$111	Same as above.
	TOTAL	~$29	~$1,608	
5. Azure Function	Premium Plan Fe	~$55	~$220	Initial: 1 EP1 instance. Future: 4 EP1 instances to handle load and guarantee no cold starts.
	Database	$0	~$50	Azure Cosmos DB Serverless for ~150M operations + 75GB storage.
	TOTAL	~$55	~$270	
6. Azure Contain	Container Compu	~$15	~$1,518	Initial: 0.25 vCPU + 0.5GB RAM. Future: 4 instances * (2 vCPU + 4GB RAM). Ingress is included.
	Database	$0	~$50	Same as above.
	TOTAL	~$15	~$1,568	
7. Azure Function	App Service Plan	~$14	~$133	Initial: 1 Basic (B1) instance with 'Always On'. Future: Scaled to an average of 6 B1 instances + Cosmos DB costs.
	Database	$0	~$50	Same as above.
	TOTAL	~$14	~$183	