R2 – AWS CDK

I already wrote and submitted the resume with AWS Serverless Migration,  
  
what can I migrate to AWS Serverless Solutions, give me any real time use case

**Copilot said:**

**Copilot**

Great question, Harsha! Since your resume already says **"AWS Serverless Migration"**, it's smart to be ready with a **real-world use case** that justifies the term "migration." Here's a solid example you can use in your interview:

**✅ Real-Time Use Case: Migrating a Batch Processing System to AWS Serverless**

**🔹 Original System (Before Migration):**

* A legacy application running on EC2 or on-prem servers.
* It processed CSV files uploaded by clients via FTP.
* A cron job ran every night to parse files and store data in a relational database.
* Manual scaling and patching were required.

**🔹 Migrated Serverless Architecture (After Migration):**

You redesigned the system using **AWS Serverless components**:

| **Legacy Component** | **Migrated Serverless Equivalent** |
| --- | --- |
| FTP Upload | **S3 Bucket** for file uploads |
| Cron Job | **EventBridge Rule** with cron expression |
| Batch Parser | **AWS Lambda** function triggered by S3 |
| Relational DB | **Amazon DynamoDB** or **Aurora Serverless** |
| Monitoring | **CloudWatch Logs & Metrics** |

**🔹 Workflow Example:**

1. **Client uploads a file to S3.**
2. **S3 triggers a Lambda function** to validate and parse the file.
3. **Lambda stores parsed data in DynamoDB.**
4. **EventBridge triggers another Lambda nightly** to generate reports or clean up old data.
5. **CloudWatch monitors execution and alerts on failures.**

**🔹 Benefits of Migration:**

* **No server management** (fully serverless).
* **Auto-scaling** based on file upload volume.
* **Cost-effective**: Pay only for Lambda execution time.
* **Improved reliability** and **faster deployments** using CDK.

**🔹 How You Can Present It:**

“We migrated a legacy batch processing system to a fully serverless architecture using AWS CDK. The new solution uses S3, Lambda, EventBridge, and DynamoDB. This reduced operational overhead, improved scalability, and cut costs by 40%. I implemented the infrastructure using CDK, defining reusable constructs for Lambdas, S3 buckets, and EventBridge rules.”

Would you like me to help you write a short paragraph or bullet points to include this use case in your interview notes or portfolio?

**Copilot said:**

**Copilot**

AI-generated content may be incorrect

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