Uturn Data Lab Program

Uturn's Data Design Lab for Start Ups

The ability to leverage and harness data is an essential ingredient for any organization looking for a competitive advantage. Proper data analysis allows you to obtain valuable insights, but without it you can often be left searching for needles in the proverbial haystack of unstructured data. So now more than ever businesses look to the vast volumes of information collected over many years to help them predict everything from customer trends and behaviors, to increase business productivity, and to make evidence-backed decisions to accelerate growth and development.

But obtaining decision-making insights requires supplementing years of data collection with actual analysis, accelerated by leveraging business intelligence tools and descriptive and predictive analytics. Furthermore, learning how to best sift through large data sets, along with evaluating which tools will work best for your business, can be a complex and time-consuming process.

Uturn's Data Design Lab Program was designed to help you better navigate the complexities of data analytics, and to create innovative strategies specific to your organization. Led by Uturn specialists, you will receive expert guidance on architectural decisions and design patterns that have been proven over time to deliver the innovation, performance, scalability, and the cost-efficiency you need.

How Uturn's Data Lab Works

The Data Design Lab is a one-half to two-day engagement for customers who need a real-world architecture recommendation but are not yet ready to build. In the Design Lab, your team will spend one-half to two days in a non-build exercise, discussing architecture pattern and anti-pattern designs for your specific use case, including best practices for building, and recommended strategies for design and delivery. Your team will leave with a document reflecting the Data Lab's recommendations for your design approach and architecture.

This joint engineering engagement between the customer, Uturn, and AWS technical resources was established to create tangible deliverables that accelerate data, analytics, artificial intelligence/machine learning (AI/ML), serverless, and containers modernization initiatives. Uturn Solution Architects support you by providing prescriptive architectural guidance, sharing best practices, and removing technical roadblocks.

Leading up to your engagement, you will have an assigned project manager and Senior Solutions Architect, and through a series of planning meetings we step through your use cases to understand your goals and to establish your test tracks and success criteria. Our multi-disciplined team will ensure that your customized solutions address your specific needs, so you can walk away with confidence to implement new data analytics strategies on the AWS platform.
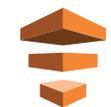
Design Lab Deliverables

Throughout the process you will gain first-hand access to expert resources. Uturn solution architects, in conjunction with the AWS engineering team oversee all aspects of the engagement. You will leave with a working prototype in your AWS account that is custom fit to your needs, and a path to production, a deeper knowledge of AWS databases, Data Integration, analytics, AI/ML, serverless, and/or containers services, along with new relationships with both the Uturn and the AWS Data lab teams.

Uturn

contact@uturndata.com
www.uturndata.com

Uturn Data Lab Program

Design Lab Deliverables

- Post Lab review of all diagrams, implementation guides, and other documentation developed in support of the engagement
- Review all templates, scripts, source code, and other artifacts developed in support of the engagement
- Detailed Recommendations document
- Architecture Proposal and Level of Effort for go-forward implementation

Example Use Cases

- Customers looking to incorporate SageMaker machine learning solutions that can be deployed into their production-ready hosted environments. Typical lab activities include creating a SageMaker notebook instance, interacting with SageMaker via sample Jupyter notebooks, working with the AWS CLI, as well as the SageMaker console. During the workshop, you will explore your various data sets, build models with your algorithms, create model training jobs using SageMaker's hosted training feature, deploy models and create endpoints to serve predictions from your models using SageMaker's hosted endpoint feature.

- Customers working on database migration initiatives such as moving from self-managed to managed database services or moving away from commercial databases to opensource databases on AWS, or even building new databases using open-source engines such as MySQL and PostgreSQL. Typical activities include defining a migration strategy, conducting database migration, performing cutovers, setting up disaster recovery and testing failover, and discussing best practices for production monitoring and management.

- Customer looking to migrate an existing data lake to AWS, or building a brand-new data lake, or improving or adding new features to an existing data lake. Common lab activities include identifying a data lake and data migration strategy, ingesting, cleansing, enriching, and processing data, managing schema and metadata, processing unstructured data, and building analytics, reporting, and visualization capabilities.

- Customers focused on designing and building near real-time data pipelines. These solutions have powered everything from application integration to developing custom Machine Learning models and executing real-time predictions with a variety of tool sets.

AWS Data Pipeline

Thanks to modern business intelligence tools and processes, organizations are inching closer to understanding the value of true data-driven decision-making. Transforming how your company makes decisions is no easy task but incorporating data and analytics strategies into your business model is how you will see the most transformative impact on your organization. Get started today with an AWS Data Lab.

Please contact Uturn for your customized AWS Data Lab SOW!

About Uturn

Uturn is an Amazon Web Services Advanced Tier Consulting Partner specializing in Enterprise Cloud Enablement and Application Modernization. We help our clients adopt and optimize cloud services to remove technical debt, prepare for growth, eliminate uncertainty, foster innovation, accelerate critical business initiatives, and become more efficient with their technology investments.

aws
PARTNER
DevOps Services
Competency