

데이터독 자격증 후기와 소소한 팁, 그리고 내가 좋아하는 데이터독 기능들

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Agenda

- 데이터독 자격증 후기 및 팁
- 내가 좋아하는 데이터독 기능들



1부 - 데이터독 자격증 후기 및 팁



1부 - 데이터독 자격증 후기

1.1 tl;dr (요약)

- 시험 결과 : 75 점 만점에 62 점으로 합격
- 준비 기간 : 회사다니면서 3주, 시간으로는 **12시간** 정도
- 체감 난이도 : **AWS SAA 혹은 살짝 아래**
- 유익했는가 : 적당히 **yes?**
- 공부 전략 : **공식 자료** 추천



1부 - 데이터독 자격증 후기

1.2 유익했는가

- agent, conf.d/, docker env, … 한 번 썩 다시 훑어보는 느낌
- 실무에서 쓰는 방식들을 구체적으로 살펴볼 기회까지는 없었음
- '겸사겸사' 정도의 느낌



1부 - 데이터독 자격증 후기

1.3 공부 전략

- 베이스 : 링크드인*에 잘 정리해 준 분이 있어서 이걸 기본으로 삼았음
- 유데미 : 3개 사봤는데 전부 환불 :(
- 공식 Learning Center : 최고!
 - 엄청 많지만, 가장 기초적인 내용 8개 정도 수강
 - 중요한 건 반복적으로 등장
 - 연습시험 25문제짜리 1세트 : 실제 문제랑 거의 유사한 형태, 수준



1부 - 데이터독 자격증 후기

1.4 시험 관련 주의사항

- "실제 점수에 영향을 주지 않는 15문제가 포함되어 있음" (a.k.a. pre-test)
- 중간에 의미를 알 수 없는 의아한 문제들 (e.g., python pop quiz) - 무시
- (Datadog 한정 X) PSI 시험을 remote로 응시할 땐 30분 전 미리 접속해있기!



2부 - 내가 좋아하는 데이터독 기능들



2부 - 내가 좋아하는 데이터독 기능들

2.1 2주 무료체험 리필하기

The image contains three screenshots of the Datadog interface:

- Screenshot 1: Learning Center Dashboard**
 - Shows a purple header with the Datadog logo.
 - A sidebar on the left lists completed courses: "Course Overview" (1/1), "Application Performance Monitoring (APM)" (2/2), "About APM" (2/2), and "Lab: APM" (2/2).
 - The main area shows a course titled "Datadog 101: Site Reliability Engineer" with a progress bar at 100% complete.
 - A red circle with the number 1 is on the "Course Overview" item.
 - A red circle with the number 2 is on the "Lab: APM" item.
 - A red circle with the number 3 is on the "Frontend" service in the Service Catalog.
- Screenshot 2: Lab: APM Terminal**
 - A terminal window titled "instruct" showing Datadog credentials:
 - Username: amjyfw1ruk@ddtraining.datadoghq.com
 - Password: [REDACTED]
 - API Key: [REDACTED]
 - The message "Account expires in 13 days and 20 hours" is displayed.
 - The terminal prompt is "root@lab-host:~/lab#".
- Screenshot 3: Service Catalog**
 - The title bar says "Welcome, amjyfw1ruk! Get Started You are 33% done setting up".
 - The top right shows "You have 14 days left in your trial." with an "Upgrade" button.
 - The main area is titled "Service Catalog" with tabs for "Explore", "Setup & Config", "Scorecards PREVIEW", and "Resource Catalog".
 - The "Performance" tab is selected.
 - The "Services" section lists three services:
 - database (env:dd101-sre)
 - frontend (env:production)
 - discounts-service (env:dd101-sre)
 - Facets on the left include "Language" (e.g., .NET, Go, Java, JavaScript, PHP, Python, Ruby, C++) and "Telemetry Type" (e.g., Distributed Tracing, Universal Service Monitor, Infrastructure Monitoring).



2부 - 내가 좋아하는 데이터독 기능들

2.2 dd.trace_id attribute

The screenshot shows the Datadog Log Explorer interface. A red circle labeled '1' highlights the Datadog logo in the top left. A red circle labeled '2' highlights the search bar containing the query "Total of 202 influencer specific". A red circle labeled '3' highlights the facet panel on the left showing metrics for 'Status' (Error: 1, Warn: 0, Info: 102) and 'Source Code'. A red circle labeled '4' highlights the 'Trace' tab in the event attributes panel, which displays a JSON trace object.

```
INFO Jan 22, 2025 at 11:58:47.440 pm (33 minutes ago)
```

HOST dd101-sre-host
SERVICE discounts-service
CONTAINER NAME lab_discounts_1
DOCKER IMAGE public.ecr.aws/x2b9z2t7/ddtraining/discounts-fixed:2.2.0
ALL TAGS
env:dd101-sre container_id:7d78bccf10dadf40ecab9bd57942c82614d1eeb944c23bc20635f08dfd86ef23 container_name:lab_discounts_1 datadog.index:main datadog.submission_auth:api_key docker.image:public.ecr.aws/x2b9z2t7/ddtraining/discounts-fixed:2.2.0 image_id:sha256:e9e60810455e775c6c89d0fba3fbf3af5c43b74f92f0497bae88109ca37eb08d image.name:public.ecr.aws/x2b9z2t7/ddtraining/discounts-fixed im... +6

Total of 202 influencer specific discounts as of this request

Event Attributes Trace 1 Metrics Processes

```
{
  "dd": {
    "service": "discounts-service",
    "filename": "discounts.py",
    "levelname": "INFO",
    "lineno": 39
  },
  "process": {
    "name": "bootstrap"
  },
  "timestamp": 1737557927440
}
```

DATE

DATE	COUNT
Jan 22 23:58:08,	1
Jan 22 23:58:45,	0
Jan 22 23:58:47,	102
Jan 22 23:58:50,	0
Jan 22 23:59:33,	0
Jan 22 23:59:35,	0
Jan 22 23:59:51,	0
Jan 22 23:59:52,	0
Jan 23 00:00:07,	0
Jan 23 00:00:09,	0
Jan 23 00:00:09,	0
Jan 23 00:00:09,	0

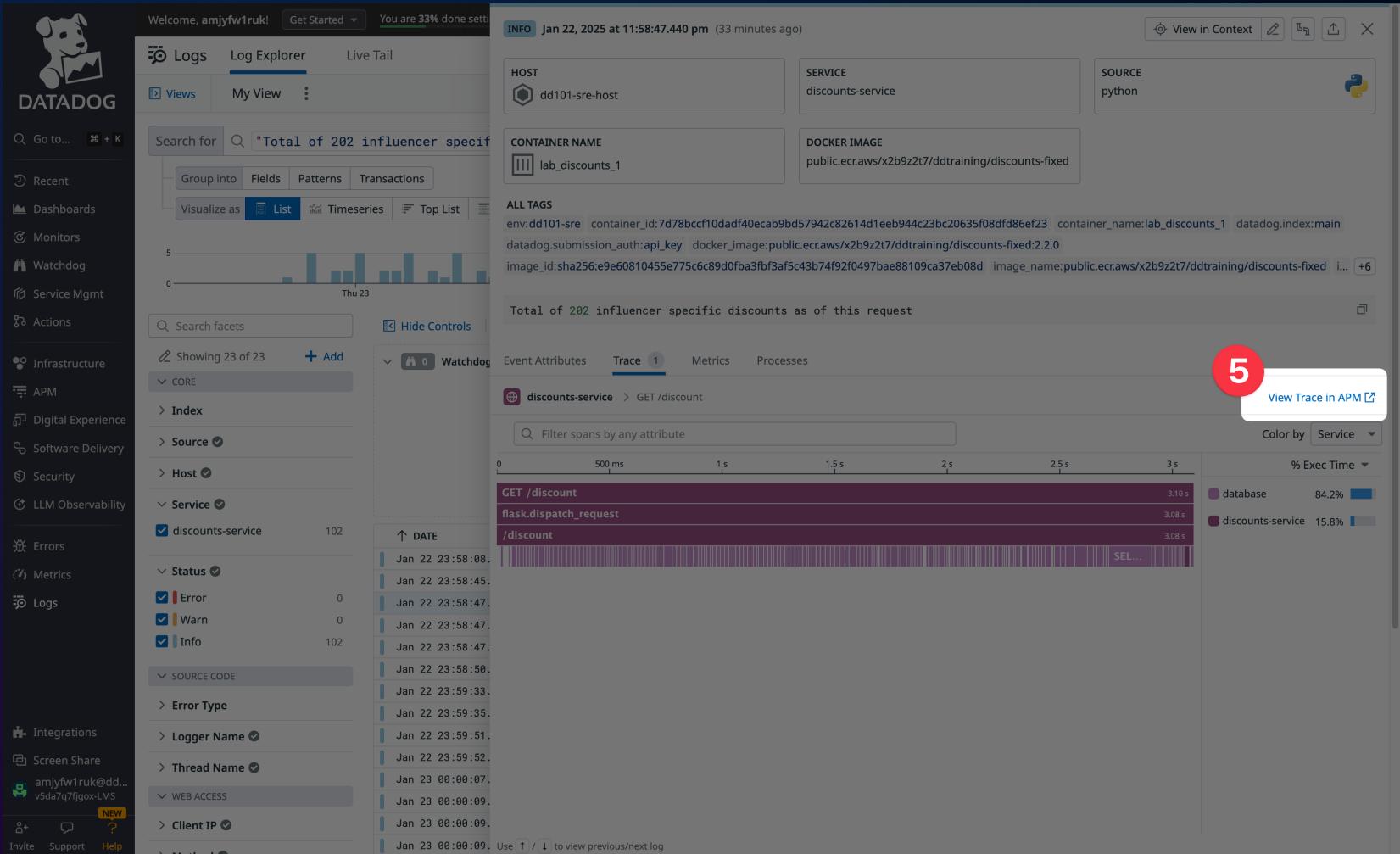
3

4



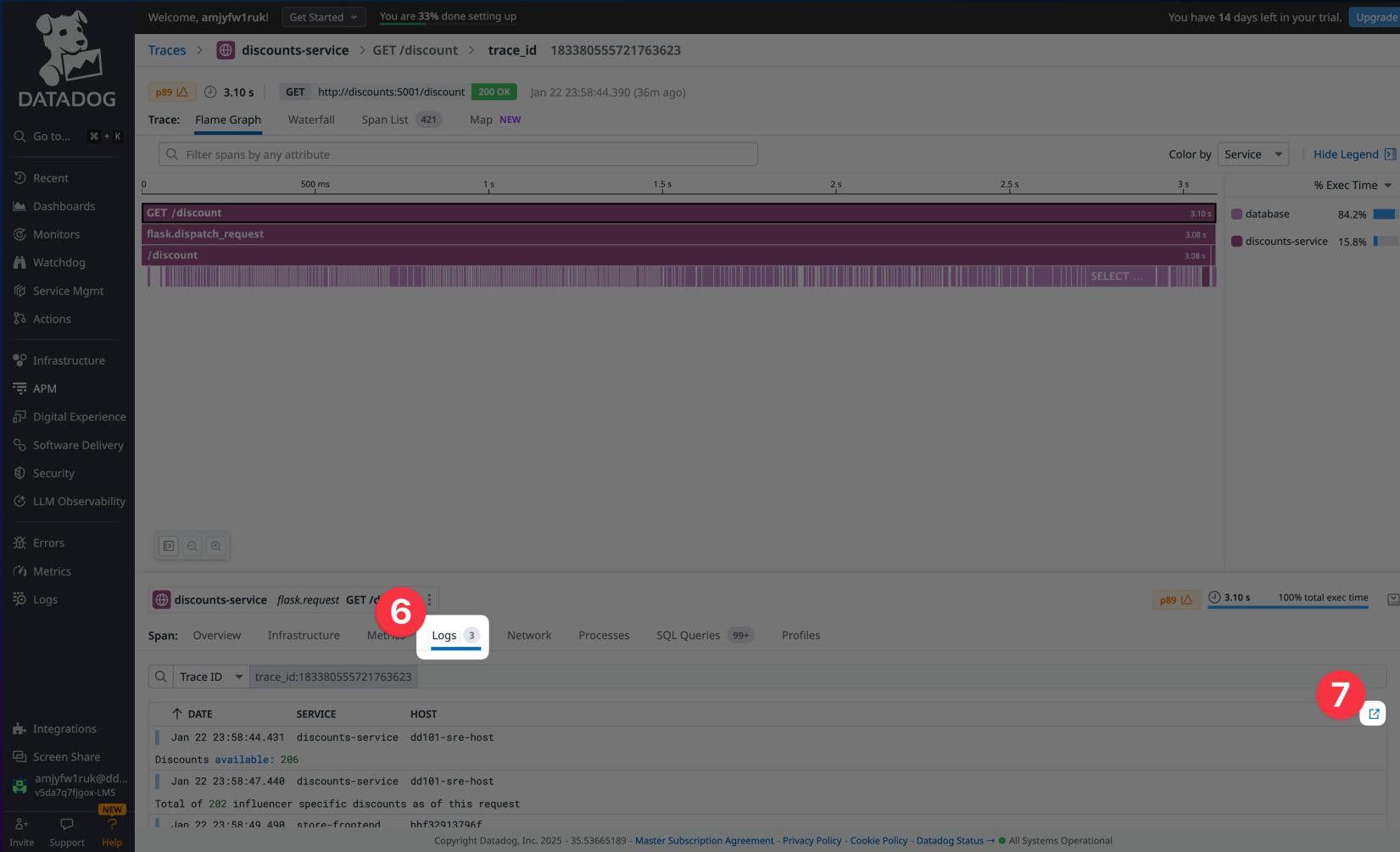
2부 - 내가 좋아하는 데이터독 기능들

2.2 dd.trace_id attribute



2부 - 내가 좋아하는 데이터독 기능들

2.2 dd.trace_id attribute



2부 - 내가 좋아하는 데이터독 기능들

2.2 dd.trace_id attribute

The screenshot shows the Datadog Log Explorer interface with several annotations:

- Red circle 1: A dropdown menu with the search term "trace_id" highlighted.
- Red circle 2: A red arrow pointing from the search bar to the dropdown menu.
- Red circle 3: A red arrow pointing from the search bar to the results table.
- Red circle 4: A red arrow pointing from the search bar to the visualization controls.
- Red circle 5: A red arrow pointing from the search bar to the facets sidebar.

Log Explorer Interface Elements:

- Search bar: "trace_id:183380555721763623"
- Visualize as: List, Timeseries, Top List, Tree Map, Pie Chart, Scatter Plot
- Facets Sidebar:
 - Recent
 - Dashboards
 - Monitors
 - Watchdog
 - Service Mgmt
 - Actions
 - Infrastructure
 - APM
 - Digital Experience
 - Software Delivery
 - Security
 - LLM Observability
 - Errors
 - Metrics
 - Logs
- Logs Table:

	DATE	SERVICE	HOST	TRACE_ID	ENT
1	Jan 22 23:58:44.431	discounts-service	dd101-sre-host	183380555721763623	Discounts
1	Jan 22 23:58:47.440	discounts-service	dd101-sre-host	183380555721763623	Total of 202 influencer specific discounts as
1	Jan 22 23:58:49.490	store-frontend	bbf32913796f	183380555721763623	Completed #index
- Watchdog Insights: "Watchdog did not detect any insights in this scope."
- Bottom Navigation: Invite, Support, Help

2부 - 내가 좋아하는 데이터독 기능들

2.3 health check w/ Synthetics & Monitors

The screenshot shows the Datadog Digital Experience interface with the following details:

- Left Sidebar:** Includes icons for Go to..., Recent, Dashboards, Monitors, Watchdog, Service Mgmt, Actions, Infrastructure, APM, Digital Experience (selected), Software Delivery, Security, LLM Observability, Errors, Metrics, Logs, Integrations, Screen Share, and a user profile.
- Top Bar:** Shows "New Browser Test" and "Unsaved Changes".
- Browsers & Devices:** Options include Laptop Large (checked for Chrome and Firefox), Tablet (unchecked for Edge), and Mobile Small (unchecked for Edge).
- Locations:**
 - All Locations (1):** Managed Locations (1)
 - Managed Locations (1):** Americas (0), Asia Pacific (1), EMEA (0). Seoul (AWS) is selected (checked).
 - Asia Pacific (1):** Hong Kong (AWS), Jakarta (AWS), Mumbai (AWS), Osaka (AWS), Singapore (AWS), Sydney (AWS), Tokyo (AWS), Tokyo (GCP) (NEW).
 - EMEA (0):** Bahrain (AWS), Cape Town (AWS), Frankfurt (AWS), Frankfurt (GCP) (NEW), Ireland (AWS), London (AWS), Milan (AWS), Paris (AWS), Stockholm (AWS).
- Bottom Alerts:**
 - You don't have any private locations. Set up private locations to monitor internal endpoints. + Add New Private Location
 - Run tests with the testing tunnel. You can use the testing tunnel to easily trigger tests on your local development setup or in your CI/CD pipeline to test internal environments. Learn more
- Bottom Buttons:** Cancel Creation and Save & Edit Recording →



2부 - 내가 좋아하는 데이터독 기능들

2.4 라이브러리 취약점 검사 w/ Security Vulnerabilities

The screenshot shows the Datadog interface for the 'frontend' service in the 'env:production' environment. The 'Security' tab is selected in the left sidebar. The main panel displays the 'Vulnerability Risk' section, which indicates 10 vulnerabilities found in 4 libraries, with 6 medium and 4 low severity. It also shows 'Attack Exposure' with 283 security traces, 5 security signals requiring attention (1 critical, 4 low), and 0 security traces blocked. Below this, a table lists vulnerabilities for the 'next' library, version 13.4.7, including:

Severity	Vulnerability	Last Detected
MEDIUM 6.9	Next.js Vulnerable to HTTP Request Smuggling	Less than 30 minutes ago exposure time: 36 minutes
MEDIUM 5.9	Next.js missing cache-control header may lead to CDN caching empty reply	Less than 30 minutes ago exposure time: 36 minutes
MEDIUM 5.4	Next.js authorization bypass vulnerability	Less than 30 minutes ago exposure time: 36 minutes
MEDIUM 5.4	Next.js Server-Side Request Forgery in Server Actions	Less than 30 minutes ago exposure time: 36 minutes
MEDIUM 4.6	Next.js Denial of Service (DoS) condition	Less than 30 minutes ago exposure time: 36 minutes

At the bottom, there is a link to 'Show all vulnerabilities (7)'.



2부 - 내가 좋아하는 데이터독 기능들

2.4 라이브러리 취약점 검사 w/ Security Vulnerabilities

The screenshot shows the Datadog Application Security interface. On the left, there's a sidebar with various monitoring and observability tools like Dashboards, Monitors, Watchdog, Service Mgmt, Actions, Infrastructure, APM, Digital Experience, Software Delivery, Security (which is selected), LLM Observability, Errors, Metrics, and Logs. Below these are Integrations, Screen Share, and a Support section.

The main area is titled "Application Security" and has tabs for Overview, Inbox, Attacks, Protection, Vulnerabilities, and Inventory (which is currently selected). It also includes sections for Services, API Endpoints, Libraries (with a "NEW" badge), and API Findings (with a "PREVIEW" badge).

The Libraries tab displays a search bar and a group by dropdown set to "Library and version". It shows 112 libraries found, with a "Hide Controls" button. The results are listed in a table with columns: LIBRARY, LICENSES, UNIQUE VULNERABILITIES, SERVICES, and FIRST DETECTED.

The "UNIQUE VULNERABILITIES" column is highlighted with a red box, showing "6 HIGH" and "1 MEDIUM". The table lists several libraries:

LIBRARY	LICENSES	UNIQUE VULNERABILITIES	SERVICES	FIRST DETECTED
next	MIT	6 HIGH 1 MEDIUM	frontend env:production	1 hour ago
body-parser	MIT	None	generate-posts-api env:production	1 hour ago
@datadog/sketches-js	Apache-2.0	None	frontend env:production	1 hour ago
call-bind-apply Helpers	MIT	None	generate-posts-api env:production	1 hour ago
call-bound	MIT	None	generate-posts-api env:production	1 hour ago
content-disposition	MIT	None	generate-posts-api env:production	1 hour ago
content-type	MIT	None	generate-posts-api env:production	1 hour ago
cookie	MIT	None	generate-posts-api env:production	1 hour ago
cookie-signature	MIT	None	generate-posts-api env:production	1 hour ago



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2.5 IntelliJ plugin

View in IDE

The **View in IDE** feature provides a link from the Datadog platform directly to the source files in your IDE. Look for the button next to frames in stack traces displayed on the platform (for example, in Error Tracking):



A screenshot of the Datadog platform interface. At the top, there's a header with the Datadog logo and some navigation links. Below that, a search bar and a dropdown menu. The main area shows a stack trace for a Java application. The stack trace includes file names like 'LatencyAfterStartupFilter.java' and line numbers. To the right of the stack trace, there's a toolbar with several icons. One of the icons is a square with a white 'V' inside, labeled 'View'. A red arrow points to this 'View' icon. The entire screenshot is framed by a large gray box with a white border.



2부 - 내가 좋아하는 데이터독 기능들

2.6 Error Tracking Exception Replay (TBD)

*https://docs.datadoghq.com/error_tracking/backend/exception_replay/

Overview

Exception Replay in APM Error Tracking automatically captures production variable values so you can reproduce exceptions from Error Tracking issues.

The screenshot shows a detailed error stack trace for a `builtins.IndexError: list index out of range`. The stack trace points to three files: `/usr/local/lib/python3.9/site-packages/ddtrace/contrib/django/patch.py`, `/usr/local/lib/python3.9/site-packages/rest_framework/views.py`, and `/django-email/conduit/apps/core/utils.py`. The code in `utils.py` is highlighted, showing a function `filter_forbidden_tags` that iterates over a list of tags and removes any containing forbidden words. A specific line `if tags[i].tag in FORBIDDEN_WORDS:` is highlighted in purple. Below the stack trace, a sidebar titled "Variables" lists the captured variables from the error context. The variable `tags` is expanded, showing its elements: `[0]` (a `Tag` object), `_state`, `created_at`, `id`, `tag`, and `slug`. The value of `tags[0]` is also shown as `'good'`. The sidebar also shows the variable `i` with a value of `1`. At the bottom of the interface, a message reads `IndexError: list index out of range`.



마무리



마무리



자격증 시험

이해도를 점검하는 용도로는 추천
유데미는 강력하게 비추천



다양한 기능들

공식 홈페이지 포스팅들의 수준이 좋음
데독 유저모임에서 많은 얘기 나눠요!

