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Python Projects You Can Build

Building real-world Python projects from scratch develops practical coding skills. Work through step-by-step tutorials that teach you to apply Python concepts to solve actual problems. Each project reinforces your theoretical knowledge and adds a tangible accomplishment to your portfolio.

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Projects range from [web scrapers](#) and automation scripts to [data analysis tools](#) and web applications, matching different interests and skill levels. Follow detailed instructions that guide you through planning, coding, testing, and debugging. Build hands-on experience with Python libraries, APIs, databases, and frameworks while creating software you can share and expand.

Note: Browse all project resources below. If you're looking for a structured progression of guided paths with progress tracking, then check out our [Python Learning Paths](#).

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How do I choose my next Python project?

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— FREE Email Series —



```
1 # How to merge two dicts
2 # in Python 3.5+
3
4 >>> x = {'a': 1, 'b': 2}
5 >>> y = {'b': 3, 'c': 4}
6
7 >>> z = {**x, **y}
8
9 >>> z
10 {'c': 4, 'a': 1, 'b': 3}
```

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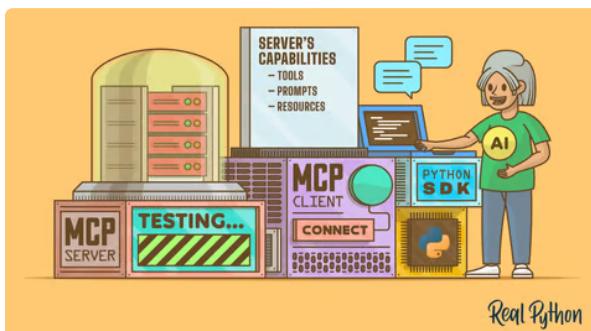
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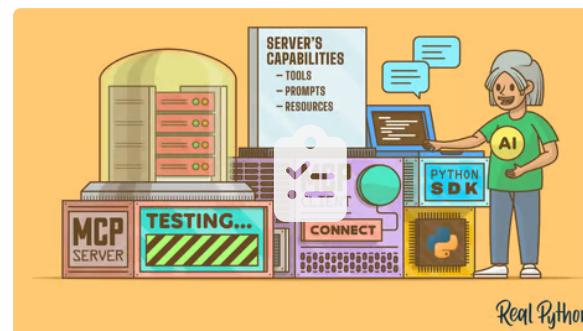
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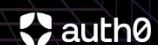
...

app.py

```
> auth0-b2b-saas-starter@1.0.0 auth0:bootstrap
> node ./scripts/bootstrap.mjs
✓ Checking that the Auth0 CLI has been installed
✓ Initialize tenant settings
✓ Configuring prompt settings
✓ Creating SaaStart Management client
✓ Creating Management API Client Grant
✓ Creating SaaStart Dashboard client
✓ Creating SaaStart-Shared-Database connection
✓ Creating admin role
✓ Creating member role
✓ Creating Security Policies Action
✓ Creating Add Default Role Action
✓ Creating Add Role to Tokens Action
✓ Updating trigger bindings for Actions
✓ Saving environment variables to .env.local
✓ Creating theme for Universal Login
```

TIL you can manage and automate your auth directly from the command line with the Auth0 Deploy CLI.

Try free today →





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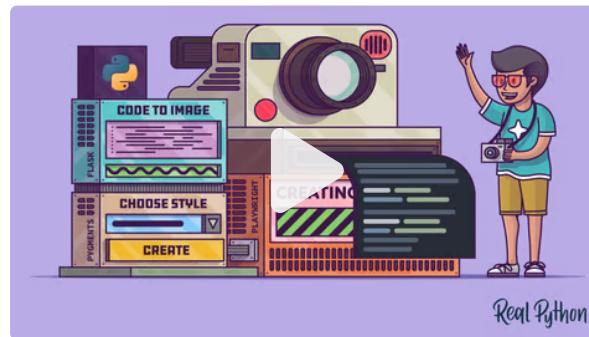
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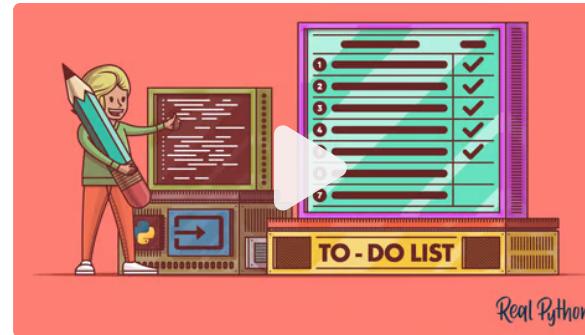
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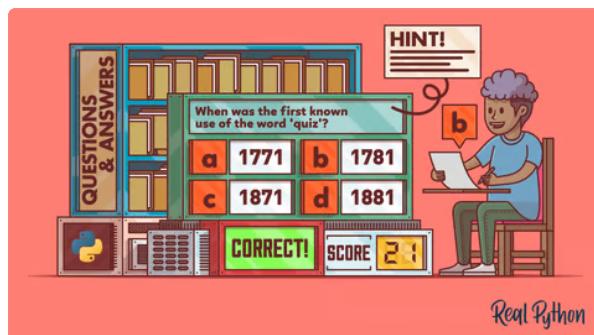
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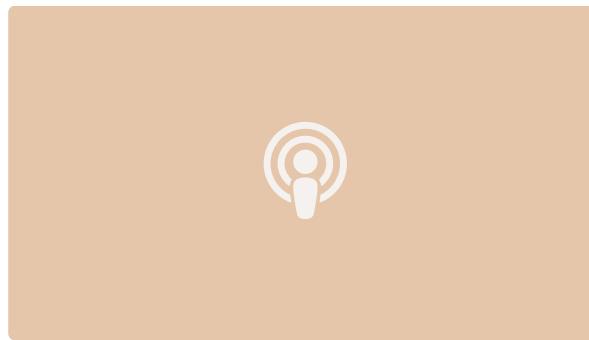
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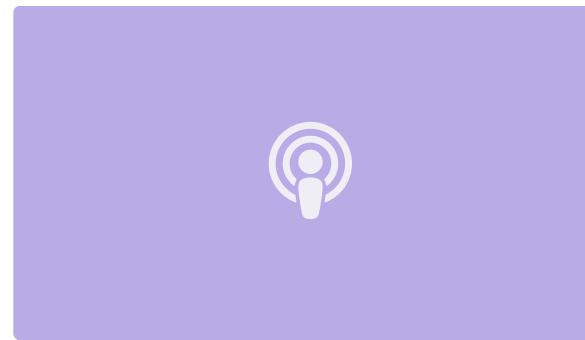
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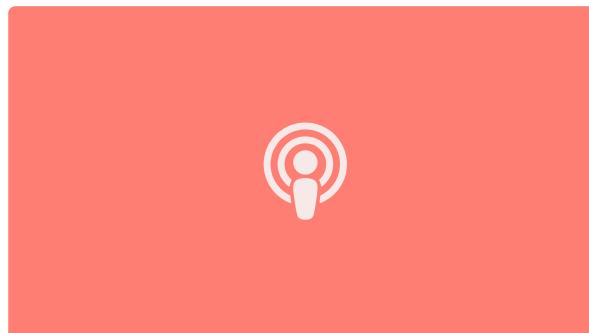
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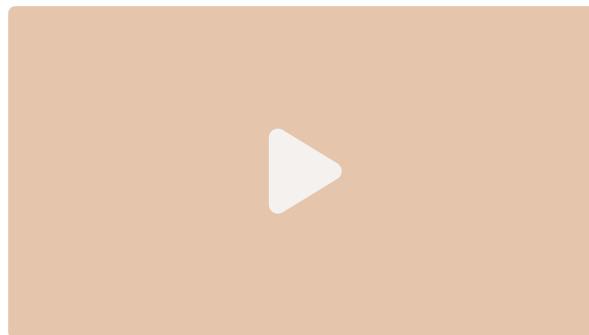
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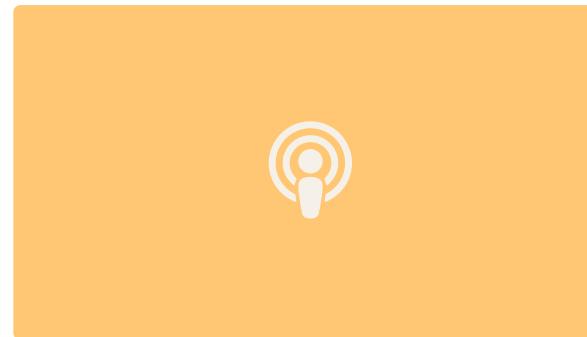
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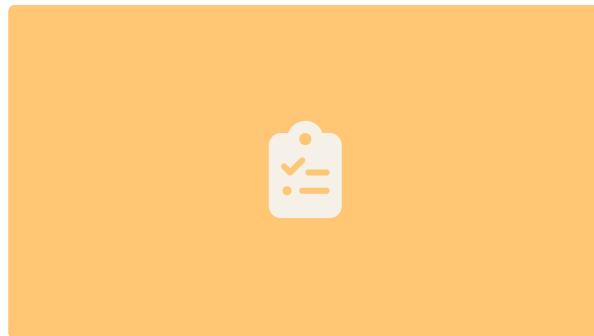
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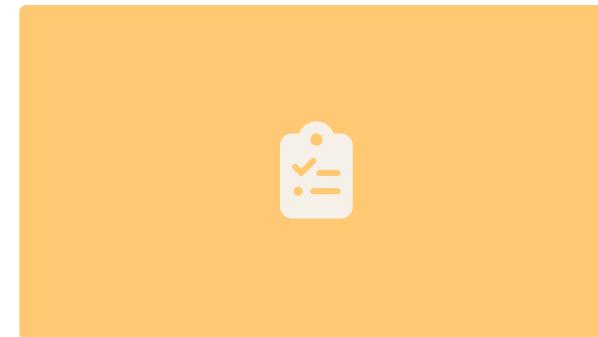
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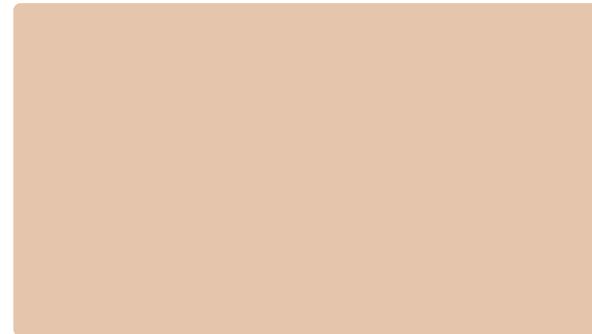
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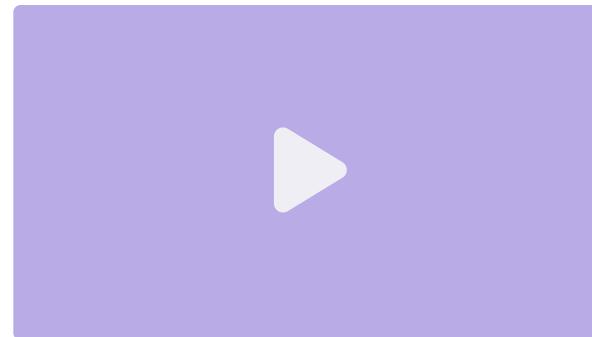
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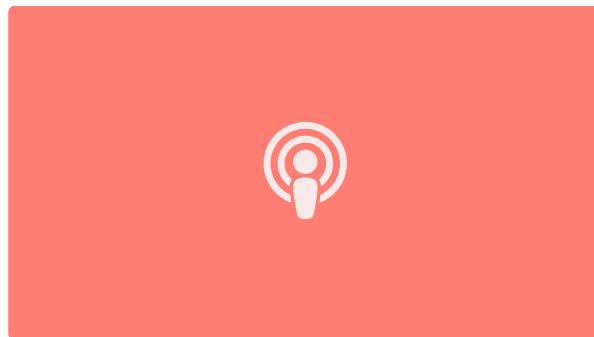
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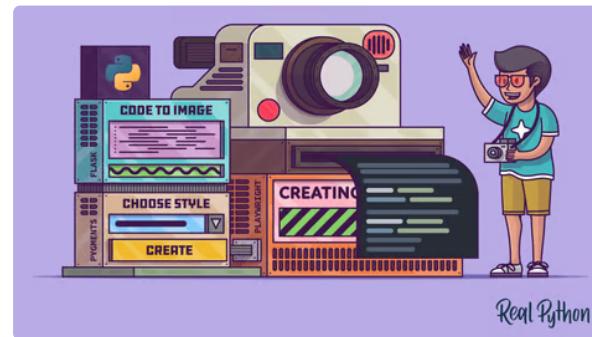
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