# Internal Tooling Made Easy With Hasura & GraphQL



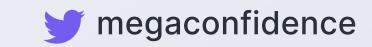


### Hello, I'm Confidence

- at Appsmith
- Youtuber
- Home-lab maintainer



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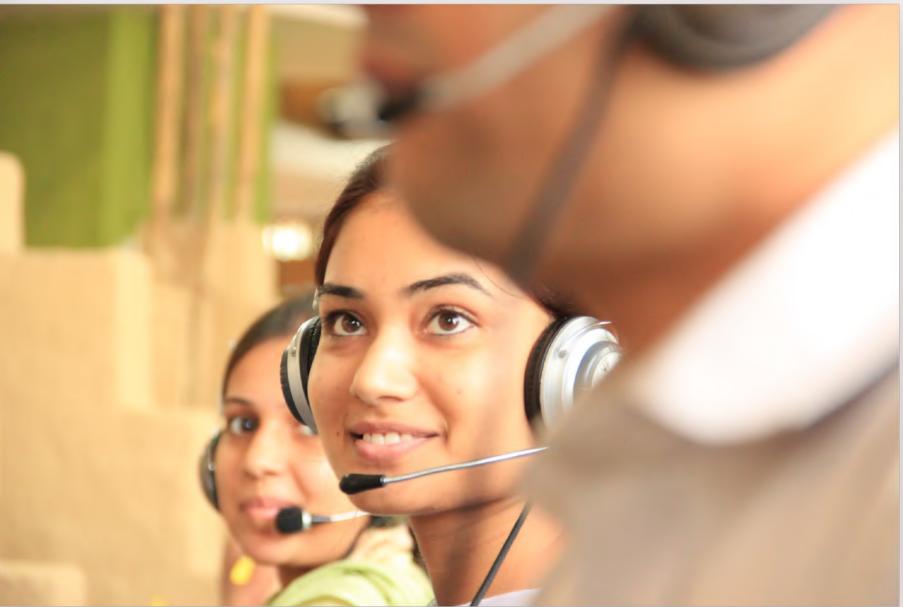


# What Are Internal Tools & How Are They Built?

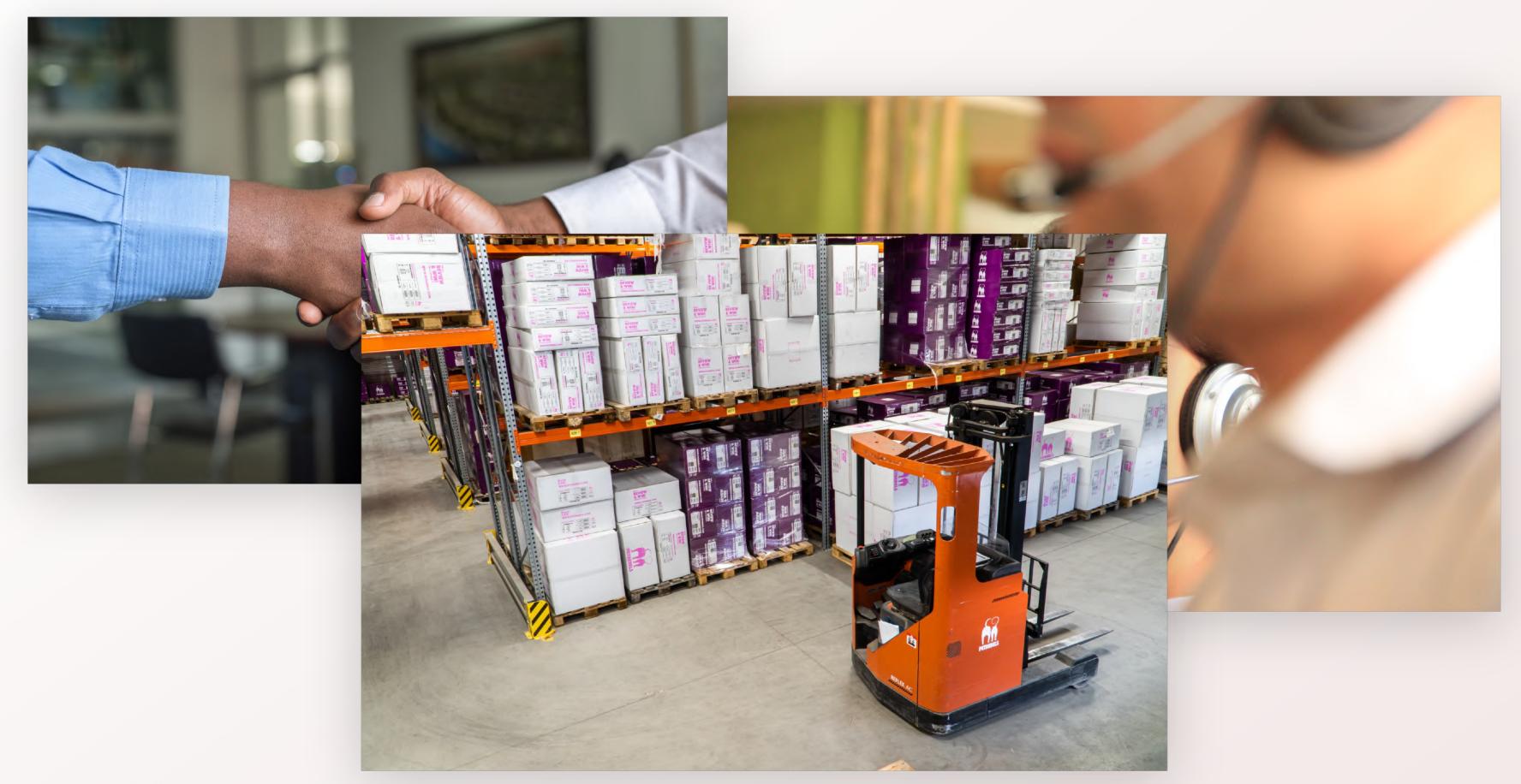




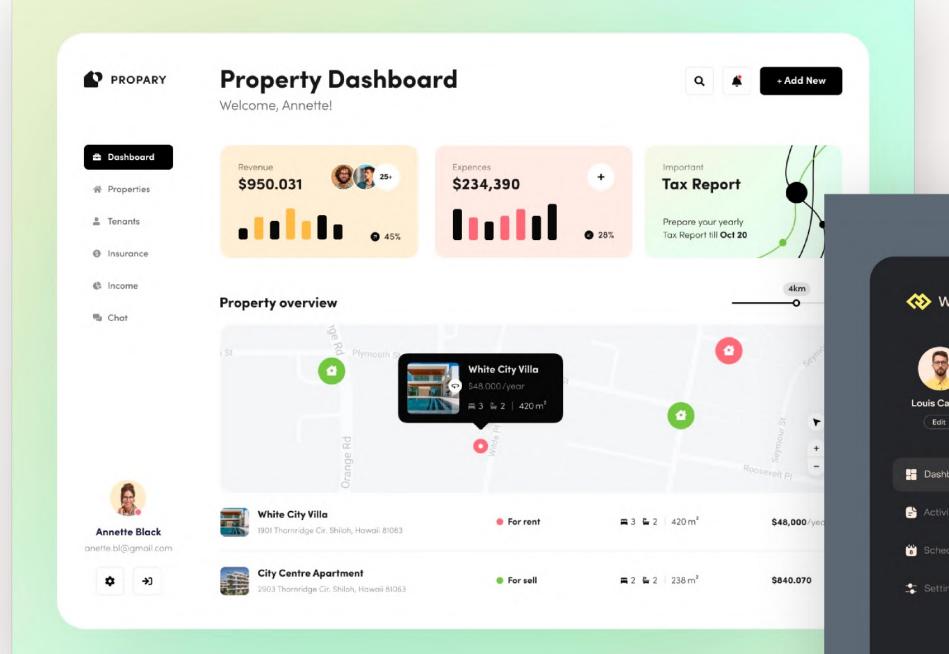




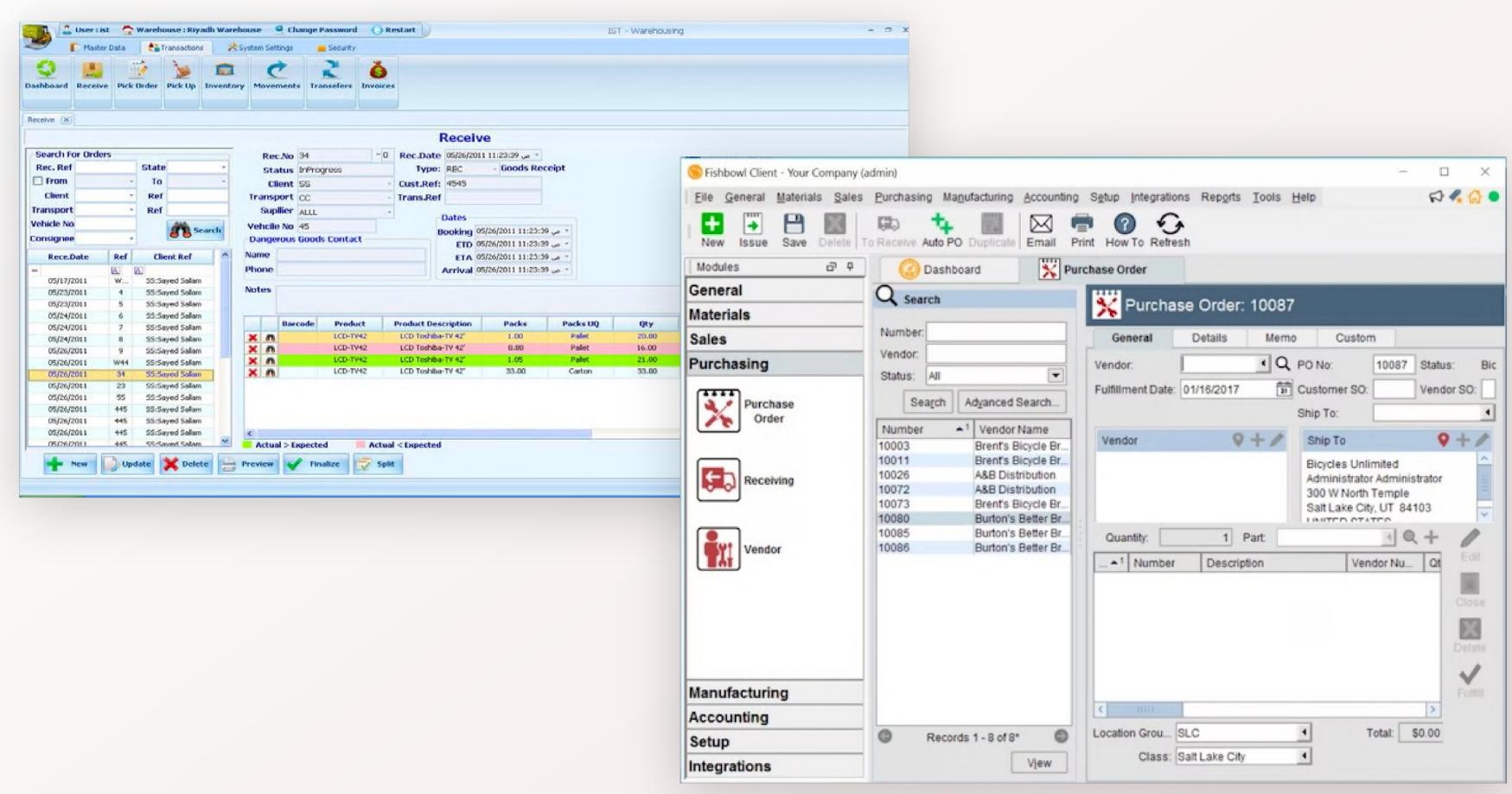
Try Pitch



Try Pitch



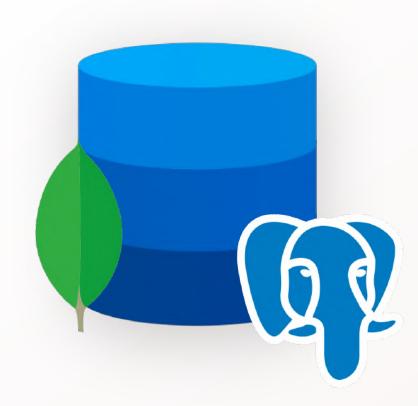




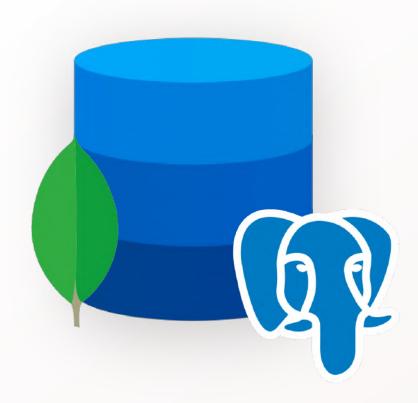
Try Pitch

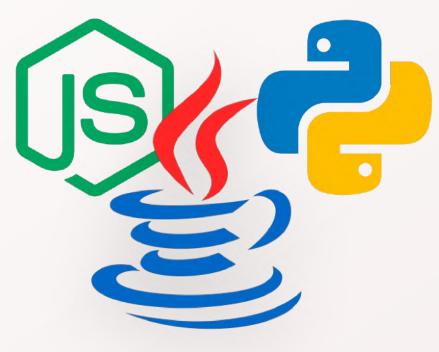
## Internal Tools Are Hard To Build & Maintain





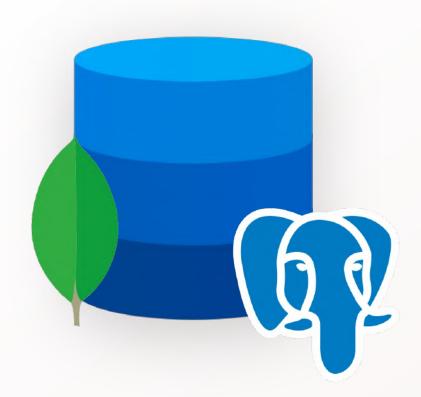


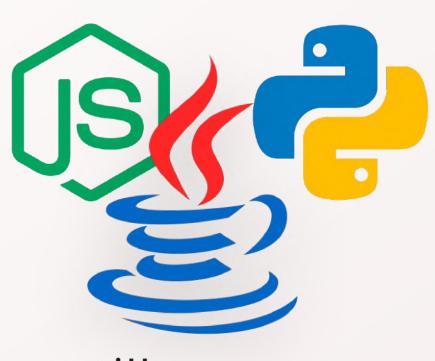


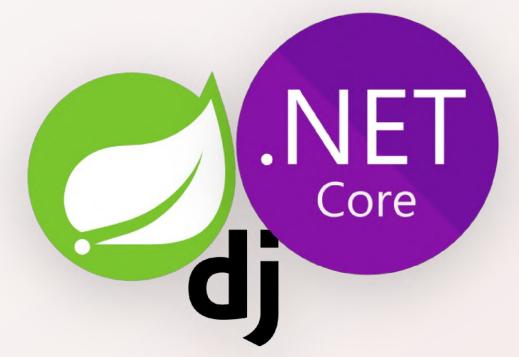


appsmith\_



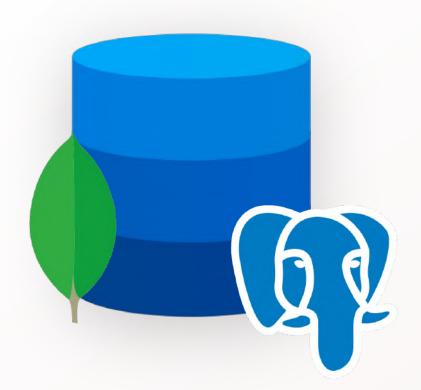






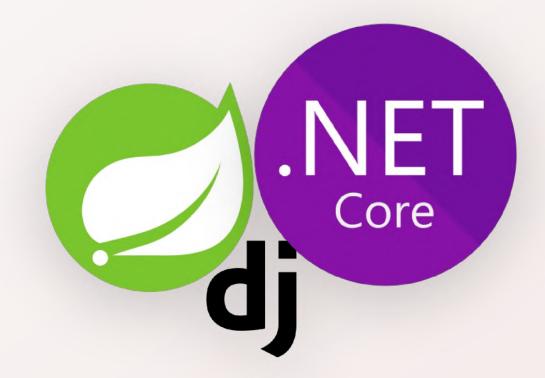
megaconfidence













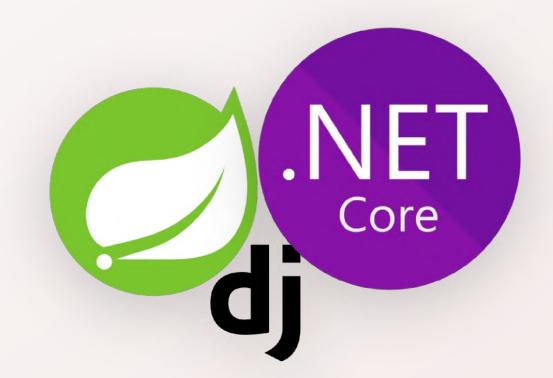


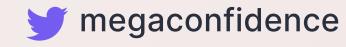


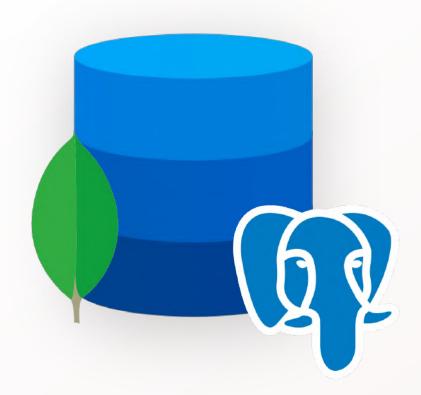








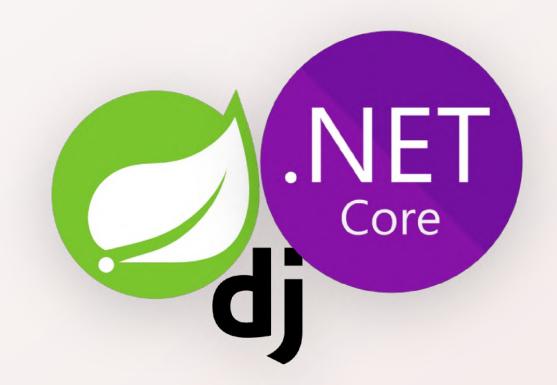




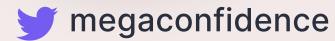




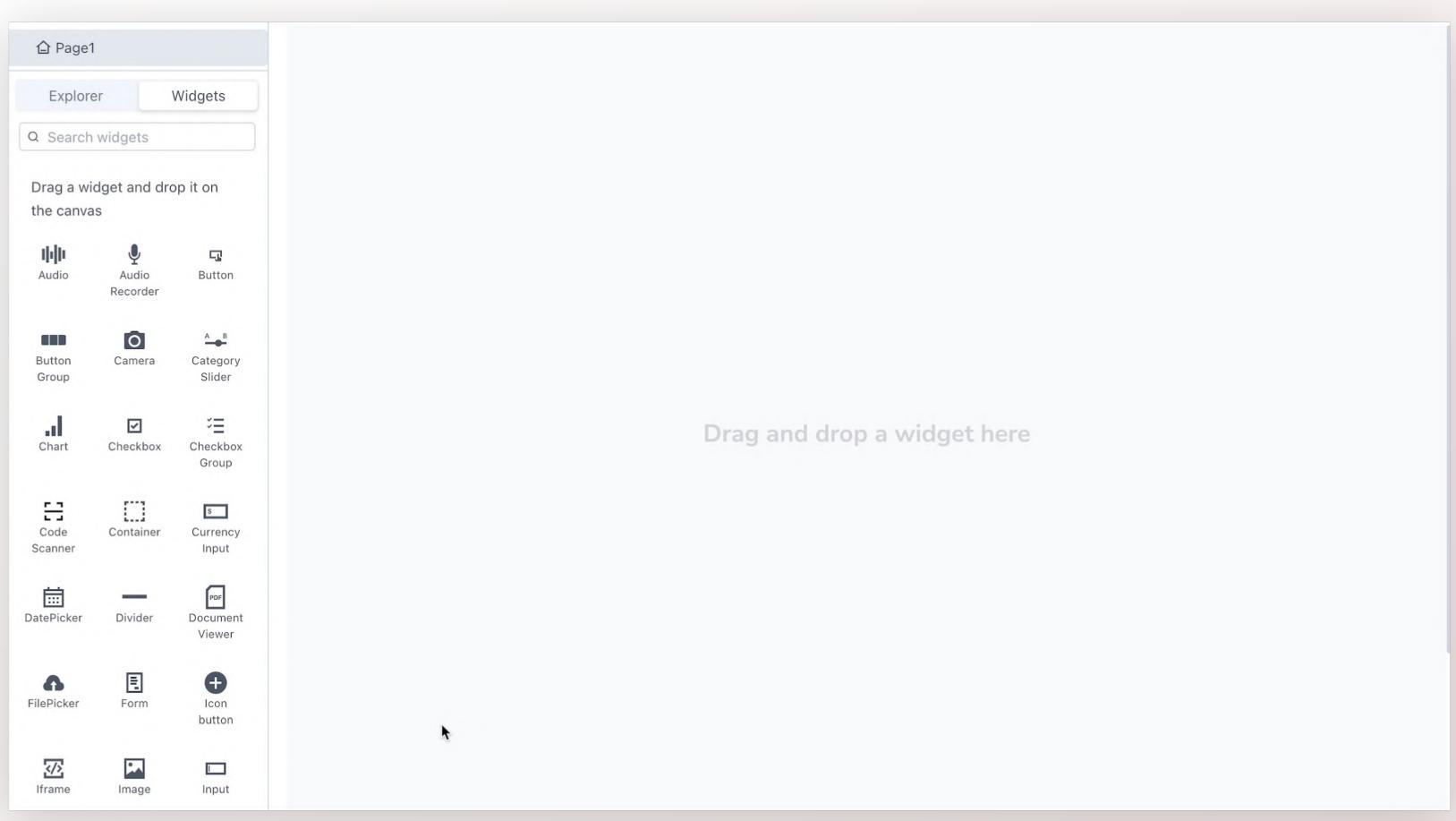






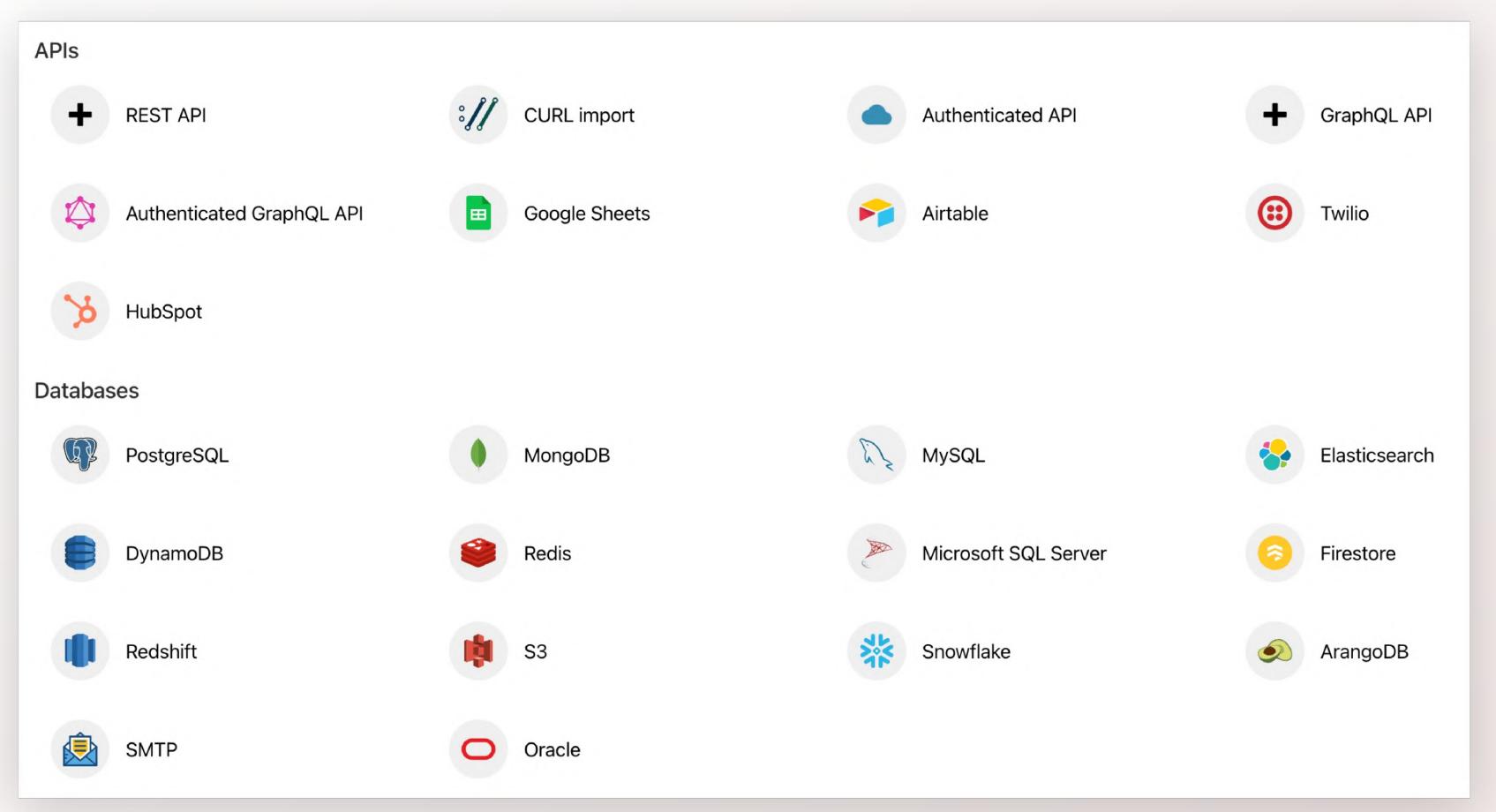






```
> Widgets
V Queries/JS
   JS Objects
   <sub>Js</sub> app
   Pg
   finduser finduser
   signup signup
   + Add query/JS
> Datasources
> Libraries
```

```
1 ▼ export default {
      createHash: (password) => {
          return dcodeIO.bcrypt.hashSync(password, 10);
       },
       verifyHash: (password, hash) => {
         return dcodeIO.bcrypt.compareSync(password, hash);
  6
  7
       },
       createToken: (email) => {
  8 *
         return jsonwebtoken.sign({ email }, 'secret', { expiresIn: 60 * 60 });
  9
 10
       signUp: () => {
 11 ▼
 12
         const email = email_su.text;
 13
         const password = password_su.text;
 14
         const pHash = this.createHash(password);
 15
 16
          return signup.run({email, pHash})
 17
            .then(() => showAlert('Account created!', 'success'))
 18
            .then(() => storeValue('token', this.createToken(email)))
 19
            .then(() => navigateTo('home'))
 20
            .catch(e => showAlert(e.message, 'error'));
 21
 22
       },
       singIn: async () => {
▶ 23 v
         const email = email_si.text;
 24
         const password = password_si.text;
 25
 26
         const [user] = await finduser.run({email});
 27
 28
         if(user && this.verifyHash(password, user?.password)) {
 29 ▼
           storeValue('token', this.createToken(email))
 30
             .then(() => navigateTo('home'))
 31
         } else {
 32 ▼
            showAlert('Invalid email or password', 'error');
 33
 2/
```

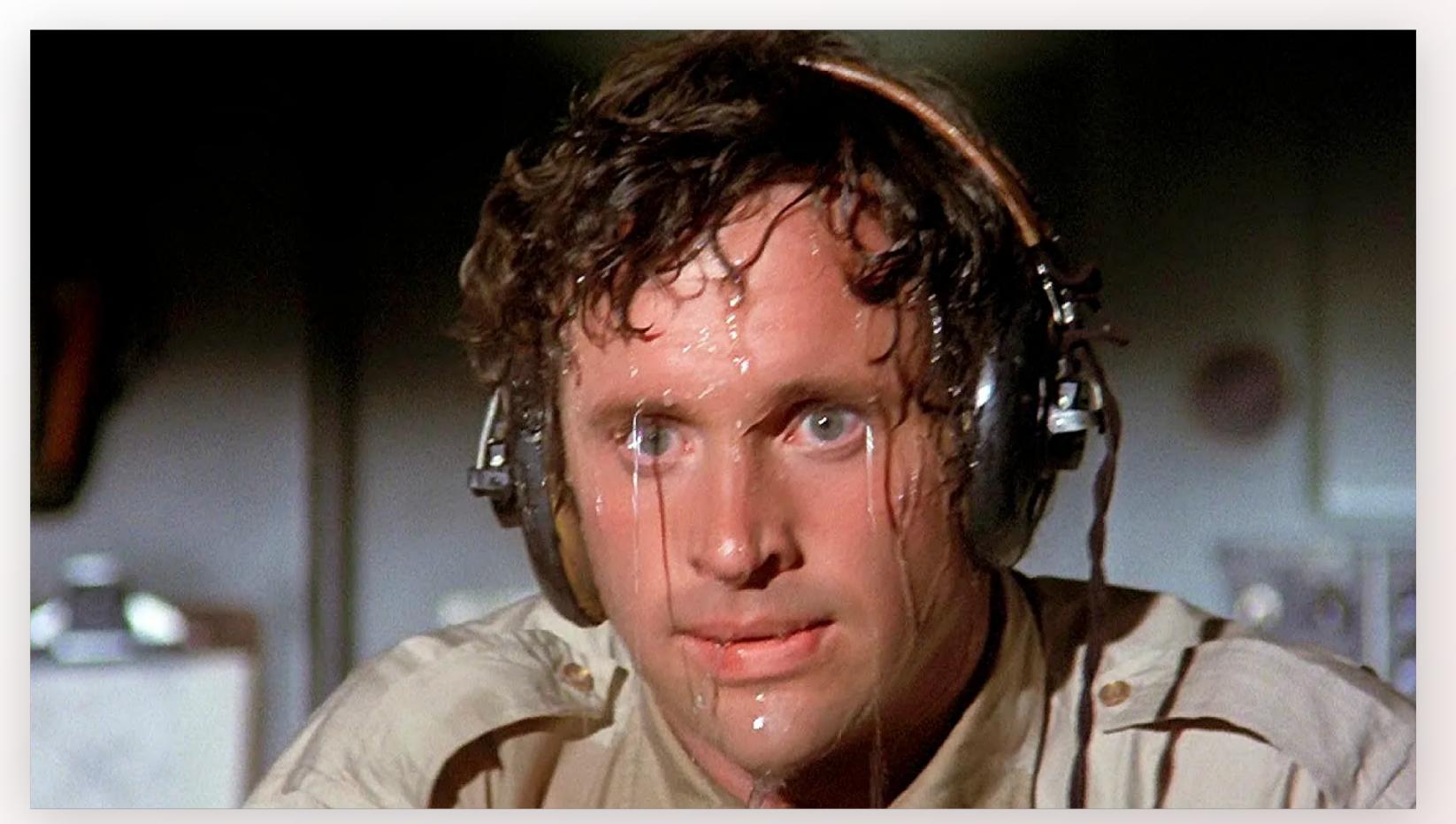


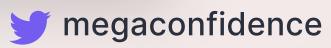


### Demo Time









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#### Thank You!



