

Vue.js ❤️ JWT

Ignacio Anaya

@ianaya89

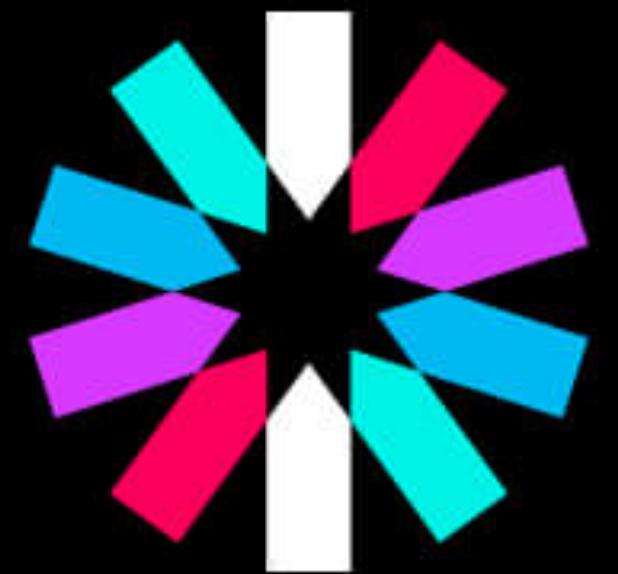
- > Full Stack Developer, Tech Trainer & Speaker
- > @Auth0 Ambassador
- > @Vuenos_Aires Organizer





Why Tokens?

- Stateless
- Decoupled
- Scalable



JWT



Why JWT?

- Standard
- Secure
- Self Contained
- JSON 🙌

JWT

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9 .
eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6IkpvaG4
gRG9lIiwiaXNTb2NpYWwiOnRydWV9 .
4pcPyMD09o1PSyXnrXCjTwXyr4BsezdI1AVTmud2fU4

JWT

👩‍💻 Header

```
{  
  "alg": "HS256",  
  "typ": "JWT"  
}
```

JWT

👌 Payload

```
{  
  "sub": "1234567890",  
  "name": "John Doe",  
  "admin": true,  
  "iss": "https://api.com"  
}
```

JWT

✍ Signature

```
HMACSHA256(  
  base64UrlEncode(header) + "." +  
  base64UrlEncode(payload),  
  secret  
)
```

JWT

Use Cases

- SPA's
- Serverless
- API's
- Mobile
- IoT





What we need?

- Auth Api
- vue-router
- trae (http library)
- localStorage

Server Auth = Auth



Client Auth = UX



Auth API

- Send credentials & get JWT
- Validate JWT
- node, express, jsonwebtoken, express-jwt



vue-router

- SPA's
- 1 route = 1 component



vue-router

Routes Meta

```
const router = new Router({
  routes: [
    {
      path: '/',
      component: Home
    }, {
      path: '/login',
      component: Login,
      meta: { isPublic: true }
    }
  ]
})
```



vue-router

Guardian Navs

```
router.beforeEach((to, from, next) => {
  // resolve if user is authenticated...
  if (!to.meta.isPublic && !isAuthenticated()) {
    return next('login')
  }

  next()
})
```



trae

- HTTP Library
- Fetch Wrapper with steroids
- Similar axios
- Promised Based



trae

Example

```
import trae from 'trae'  
trae.baseUrl('http://api:com')  
  
trae.get('/', {})  
  .then(res => console.log(res.data))  
  .catch(err => console.log('[ERROR]', err))
```

trae

Middlewares

```
trae.before(config => {
  const token = '123456789'
  config.headers['Authentication'] = token

  return config
})
```

localStorage

```
trae.post('/auth', { email, password })
  .then(res => {
    localStorage.token = res.data
    localStorage.user = atob(res.data.split('.')[1])
  })
  .catch(err => console.log('[ERROR]', err))
```



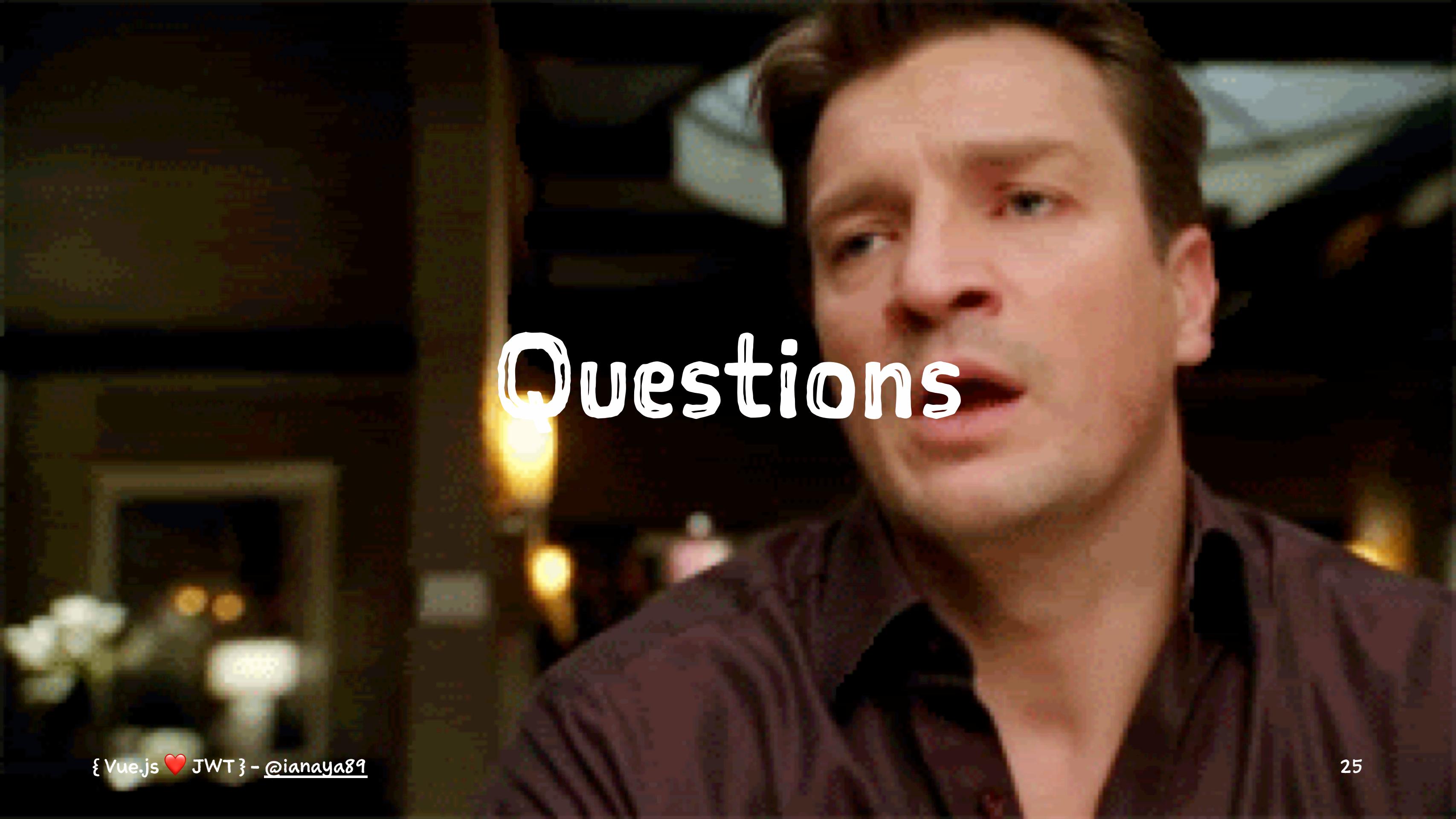
Demo



More?

More!

- [jwt.io](#)
- [Auth0](#)
- [jwt-handbook](#)
- [trae](#)

A close-up photograph of a man with short brown hair, wearing a dark suit jacket over a white shirt. He is looking slightly to his left with a thoughtful expression. The background is blurred, showing what appears to be an office or technical environment with various equipment and cables.

Questions



Thanks!

@ianaya89