



Modern Identity

By Mehul Patel, [@rowdymehul](#)

About Me



Mehul Patel

Engineer at Zimbra

Mentor at Mozilla Reps

Auth0 Ambassador, Auth0 Inc

Rust Mobilizer

Co-founder of IDF

Twitter : @rowdymehul
way2mehul@gmail.com



Common Web Security Vulnerabilities

- Exposing Sensitive Data
- Broken Authentication
- Security Misconfiguration
- Injection Vulnerability



What is Identity ?



What is Identity ?

Authentication of an individual



What is Modern Identity ?

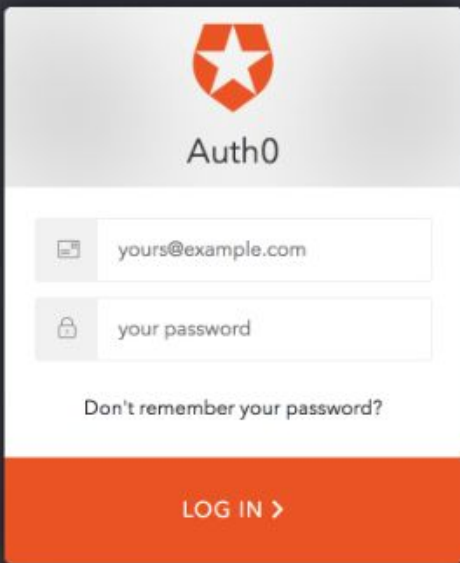
- **Authentication** - The way you login
- **Authorization** - Right access to Right People at Right Time
- **Security** - Protecting data in motion and at rest
- **Personalization** - Tailored user experience



Authentication

- Traditional Username and Password
- Social login via Facebook, Twitter, Google , etc.
- Enterprise Federation and Single Sign On
- Passwordless



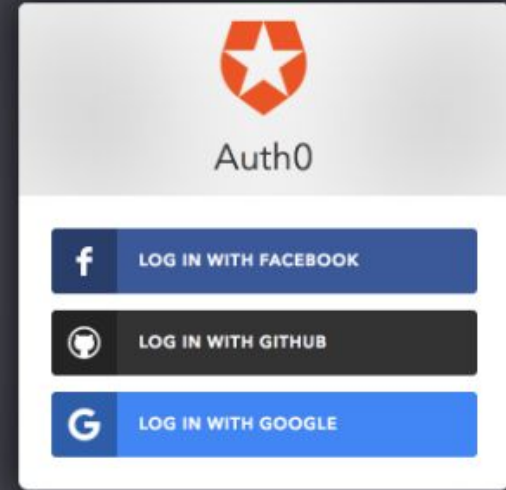


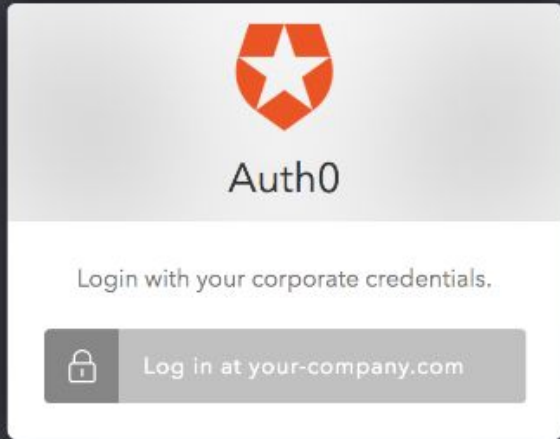
Traditional Username and Password

- Most Common
- Easy to Implement
- Least Secure

Social Login

- Common
- Medium Difficulty
- More secure



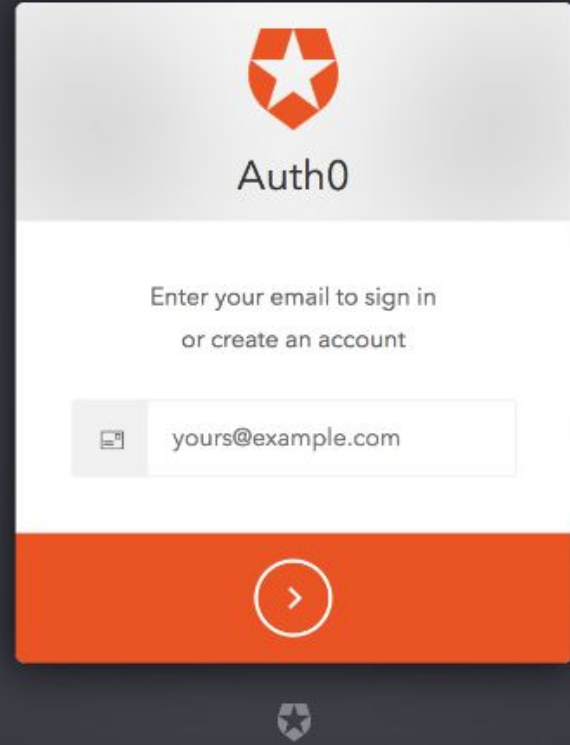


Single Sign On

- **Most Common in Enterprise**
- **Difficult to Implement**
- **Solve Authorization use cases**

Passwordless

- Rare / Upcoming
- Easy to Implement
- Very secure



Authorization

- Ensure the user has the right access at the right time
- Grant, Change and Revoke access



Security

Biggest concern for our valuable data



Select Password Strength for

Must Have:

- At least 10 characters in length
- Contain at least 3 of the following 4 types of characters:
 - Lower case letters (a-z),
 - Upper case letters (A-Z),
 - Numbers (i.e. 0-9),
 - Special characters (e.g. !@#\$%^&*)
- at most 128 characters
- Not more than 2 identical characters in a row (e.g., 111 not allowed)

Excellent

Password

- Complexity
- Storage
- Security



Multi Factor Authentication

- Something you know, Something you have , Something you are

Brute Force Protection

- Prevent repeated failed login attempts
- Alert user and validate identity

Anomaly Detection

- Proactively protect users
- Alert user of suspicious activity
- Breached password detection



Personalization

- Give a personal touch to each user
- Make Data work for you
- Enhanced Analytics





Auth0

Identity as a Service

- Modern Identity in **10 minutes**
- Free Tier (7000 Monthly Active users)
- Team of Security Expert

Visit auth0.com



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The new way to solve Identity

We solve the most complex identity use cases with an extensible and easy to integrate platform that secures billions of logins every month

[USE AUTH0 FOR FREE](#)

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Logged in using DB-connection-1 

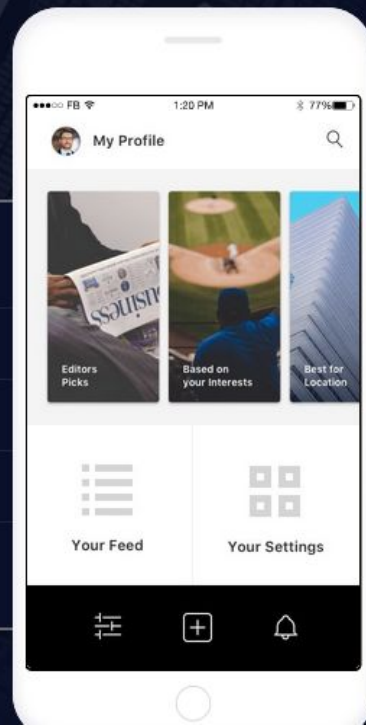
company Auth0

position VP of Product

hobbies Baseball, Diving

location Jersey City, US

age 42





Thank you for choosing the Free Auth0 plan. You have 2 days left in your trial to experiment with [features that are not in the Free plan](#). If you want to continue using these features then provide your [billing information](#).

[BILLING](#)

 Dashboard

 Clients

 APIs

 SSO Integrations


 Connections

 Users

 Rules

 Hooks

 Multifactor Auth


 Hosted Pages


 Emails

 Logs

 Anomaly Detection

 Analytics

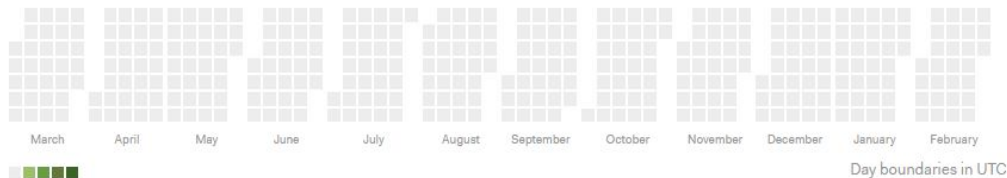
 Extensions

 Get Support

Dashboard

[+ NEW CLIENT](#)

Login Activity



USERS

0

All Time

LOGINS

0

Last 7 days

NEW SIGNUPS

0

Last 7 days

Latest Logins

There are no logins for your connections yet

New Signups

There are no logins for your connections yet

Continue with this tutorial





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Get Support

Create Client



Name

My App

You can change the client name later in the client settings.

Choose a client type



Native

Mobile or Desktop,
apps that run natively
in a device.

eg: iOS SDK



Single Page Web Applications

A JavaScript front-
end app that uses an
API.

eg: AngularJS +
NodeJS



Regular Web Applications

Traditional web app
(with refresh).

eg: Java ASP.NET



Non Interactive Clients

CLI, Daemons or
Services running on
your backend.

eg: Shell Script

CREATE

[Dashboard](#)[Clients](#)[APIs](#)[SSO Integrations](#)[Connections](#)[Users](#)[Rules](#)[Hooks](#)[Multifactor Auth](#)[Hosted Pages](#)[Emails](#)[Logs](#)[Anomaly Detection](#)[Analytics](#)[Extensions](#)[Get Support](#)

What technology are you using for your web app?



Angular 2+



AngularJS



Aurelia



Cycle



Ember



JavaScript



React



Socket.io



Continue with this tutorial



Configure social connections like Facebook, Twitter, Github and others so that you can let your users login with them. [Learn more](#) ▶

- Dashboard
- Clients
- APIs
- SSO Integrations
- Connections**
 - Database
 - **Social**
 - Enterprise
 - Passwordless
- Users
- Rules
- Hooks
- Multifactor Auth
- Hosted Pages
- Emails
- Logs
- Anomaly Detection
- Analytics
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- Get Support

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Explore...

auth0.com/docs



Questions ?

Available on GitHub, Telegram & Twitter : @rowdymehul



@LateNightSeth



THANK YOU!