

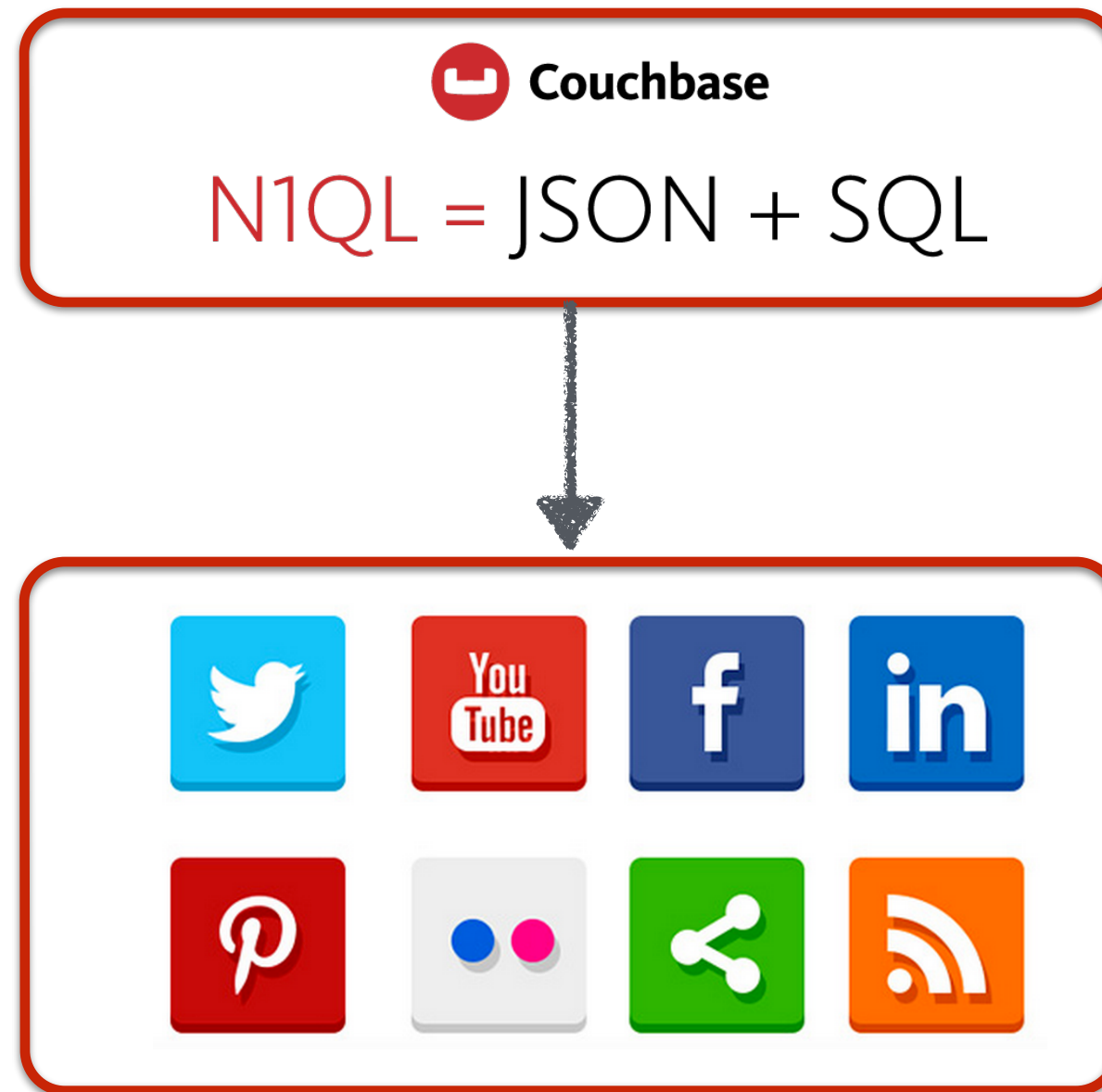


# Touchbase

By: Pranav Mayuram



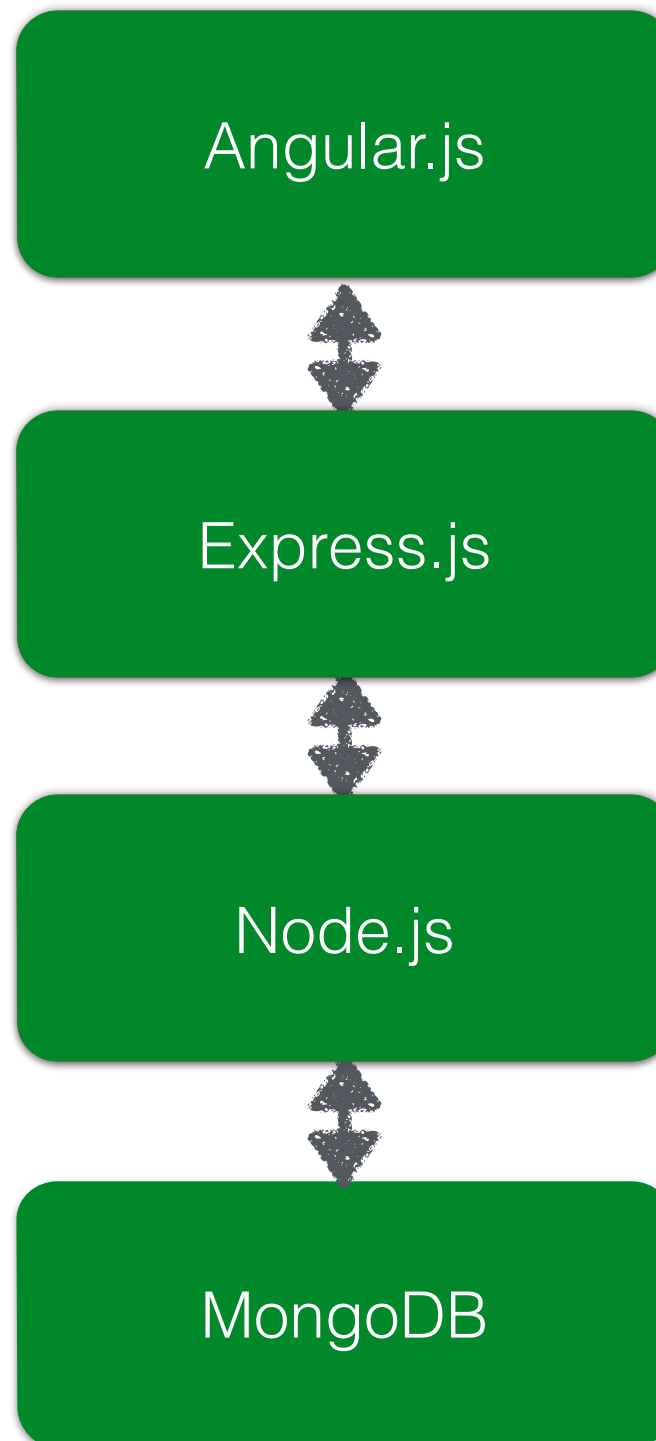
# What is Touchbase?



Register & Login, Profile Pictures, Edit Profile, Search Users, Posts, Statistics

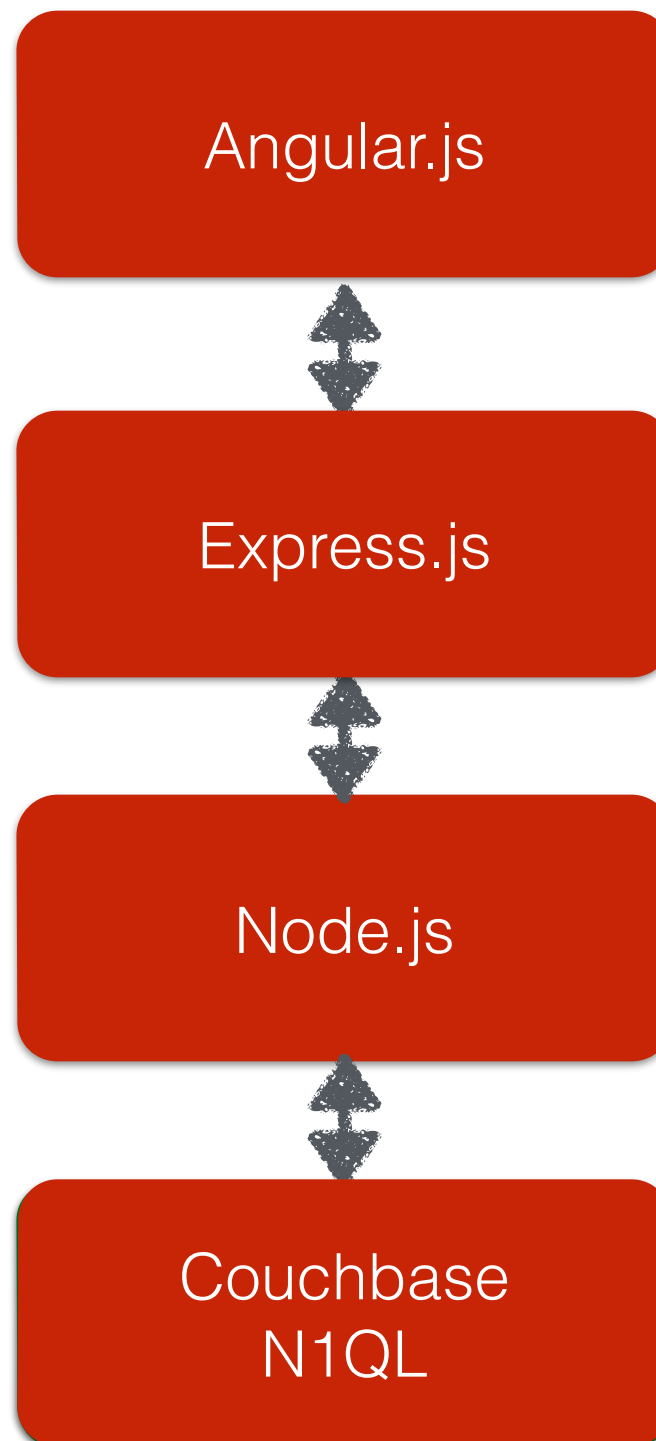


# Why Create Touchbase?





# Why Create Touchbase?





# Who is Touchbase for?



Developer



General Public



# Who is Touchbase for?

```
Session.auth = function (req, res, next) {
  console.log('req.body: ' + JSON.stringify(req.body));
  console.log('req.files: ' + JSON.stringify(req.files));
  var sessionID="";
  if (req.body.sessionID) {
    sessionID = req.body.sessionID;
  }
  else {
    var token = req.headers.authorization;
    console.log(token);
    var sessionArray = token.split(" ");
    if (sessionArray[0] === "Bearer") {
      sessionID = sessionArray[1];
    }
    else {
      console.log('error with: ' + token);
      return;
    }
  }
  var getSession = N1qlQuery.fromString("SELECT userID FROM `" + userBucketName + "` USE KEYS($1)");
  userBucket.query(getSession, [sessionID], function (error, result) {
    if(error) {
      callback(error, null);
      console.log('session expired: '+error);
      return;
    }
    console.log(result);
    if (!result[0]) {
      console.log("Session expired, please login again.");
      //var path = req.protocol + '://' + req.headers.host + '/index.html#/login';
      //console.log(path);
      res.send({currentSession: false});
      return;
    }
    req.userID = result[0].userID;
    next();
  });
};
```

sessionmodel.js

```
{
  "couchbase": {
    "server": "127.0.0.1:8091",
    "userBucket": "users",
    "pictureBucket": "users_pictures",
    "publishBucket": "users_publications",
    "TouchbasePort": 3000
  },
  "dataModel": {
    "projectName": "Touchbase",
    "primary": "Name",
    "arrayAttributes": ["Expertise", "Hobbies"],
    "stringAttributes": ["Job Title", "Skype"],
    "dropdownAttributes": [
      {
        "varname": "Base Office",
        "options": ["Mountain View", "San Francisco", "Bangalore", "Manchester", "Other - Remote"]
      },
      {
        "varname": "Division",
        "options": ["Engineering", "Sales", "Marketing", "Support", "Other Staff"]
      }
    ],
    "pubTypes": ["Github", "Couchbase in the News"]
  }
}
```

config.json



# Is Touchbase Secure?



Session-based  
Authentication



**Nodemailer**



Email Verification



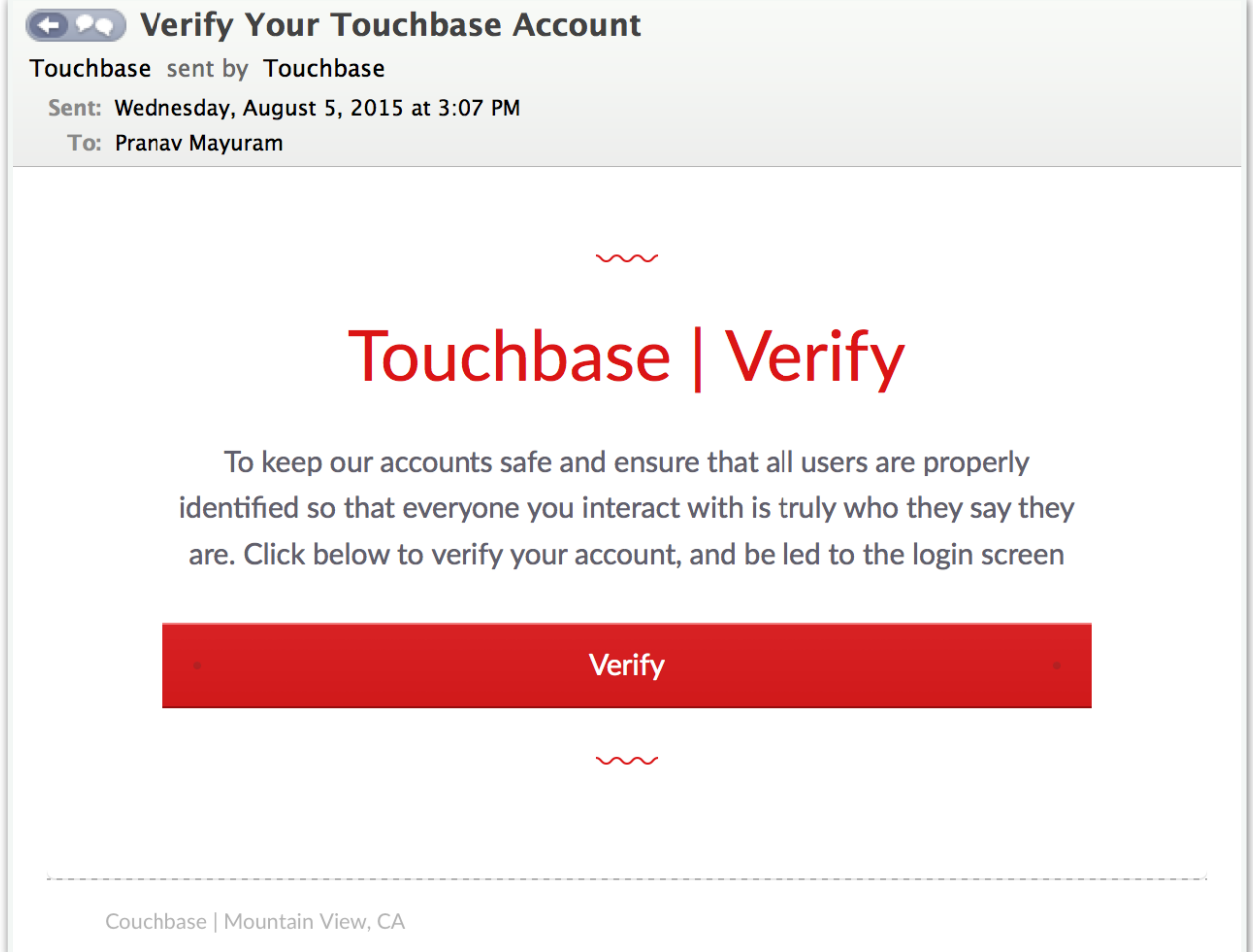
# Is Touchbase Secure?

```
> console.log(localStorage);
```

```
Storage {expiry: "3600", sessionId:  
"5c860b6f-7753-465a-b569-9333663dea57"}
```

VM421:2

Session-based  
Authentication



Email Verification





# What can I do with it as a User?

Me

Register & Login

Profile Pictures

Edit Profile

Others

Search Users

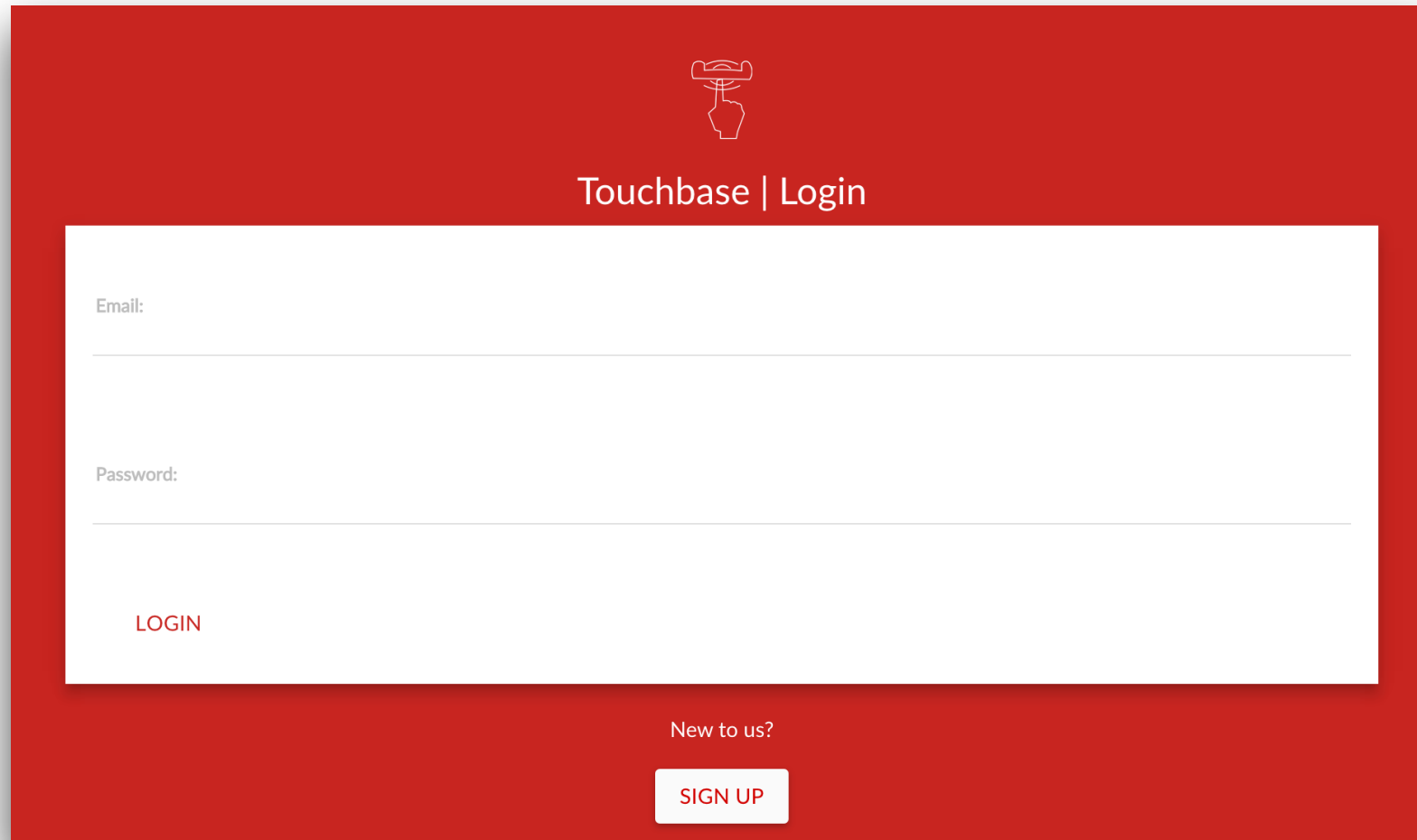
Make Posts

Track Statistics



# What can I do with it as a User?

## Login

A screenshot of the Touchbase login interface. It features a red background with a white login form in the center. The form has fields for 'Email:' and 'Password:', a 'LOGIN' button, and a 'New to us? SIGN UP' link at the bottom.

Touchbase | Login

Email:

Password:

LOGIN

New to us?  
SIGN UP

```
UPDATE users USE KEYS($2) SET timeTracker.loginTimes =  
ARRAY_PREPEND ($1, timeTracker.loginTimes)
```



# What can I do with it as a User?

## Register

A screenshot of the Touchbase registration form. The form is white with a red border and is set against a red background. It contains several input fields for user registration, including Email, Name, Password, Confirm Password, Skype, Job Title, Division, Base Office, Expertise, and Hobbies. There are also dropdown menus for Division and Base Office. At the bottom, there is a 'SIGN UP' button and a link for 'Already Registered?' with a 'LOGIN' button.

Touchbase | Register

Email \*:

Name \*:

Password \*:

Confirm Password \*:

Skype:

Job Title:

Division ▼

Base Office ▼

Expertise: (Comma-separated list - limit 5)

Hobbies: (Comma-separated list - limit 5)

SIGN UP

Already Registered?

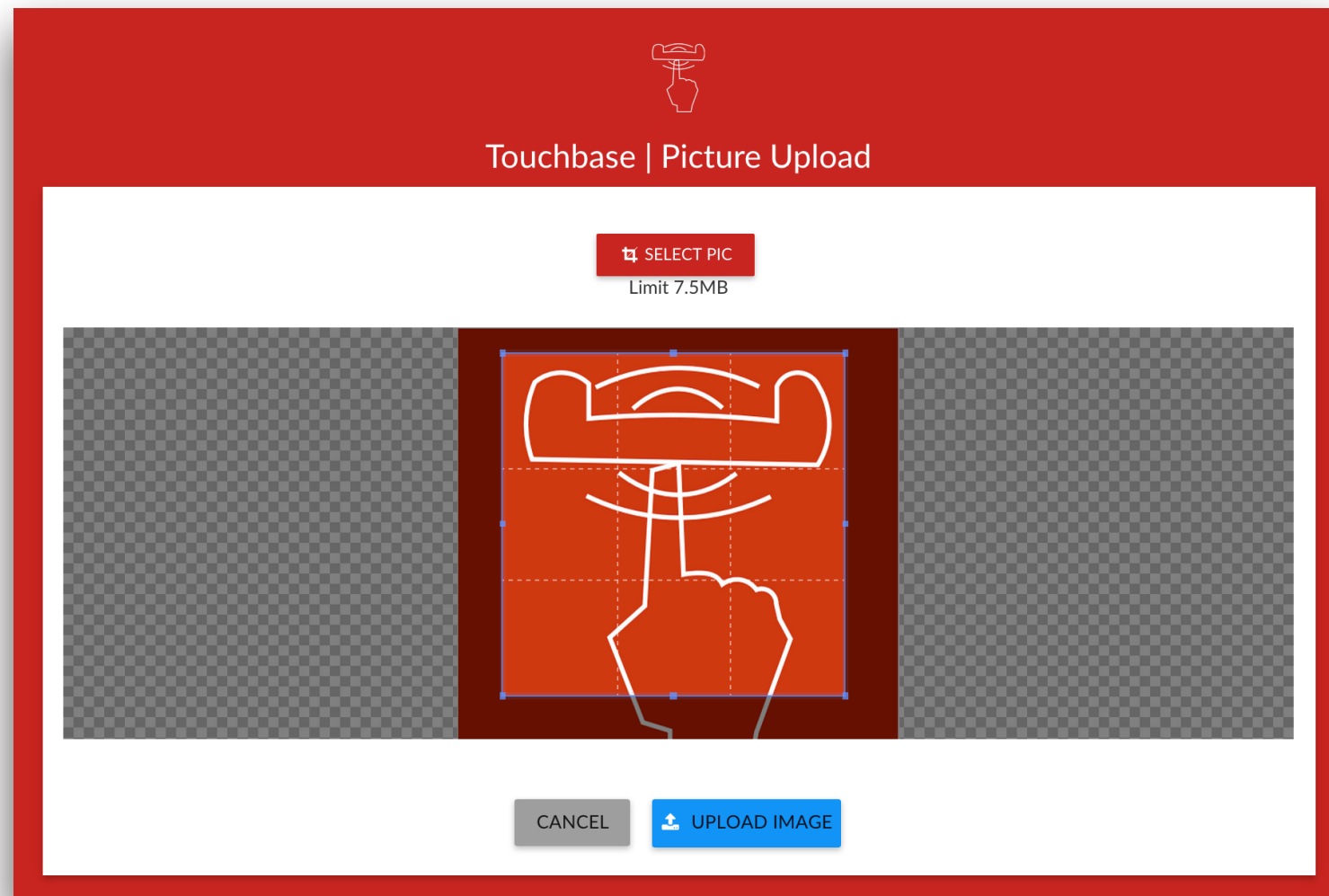
LOGIN

INSERT INTO users (KEY, VALUE) (\$1, \$2)



# What can I do with it as a User?

## Picture Upload

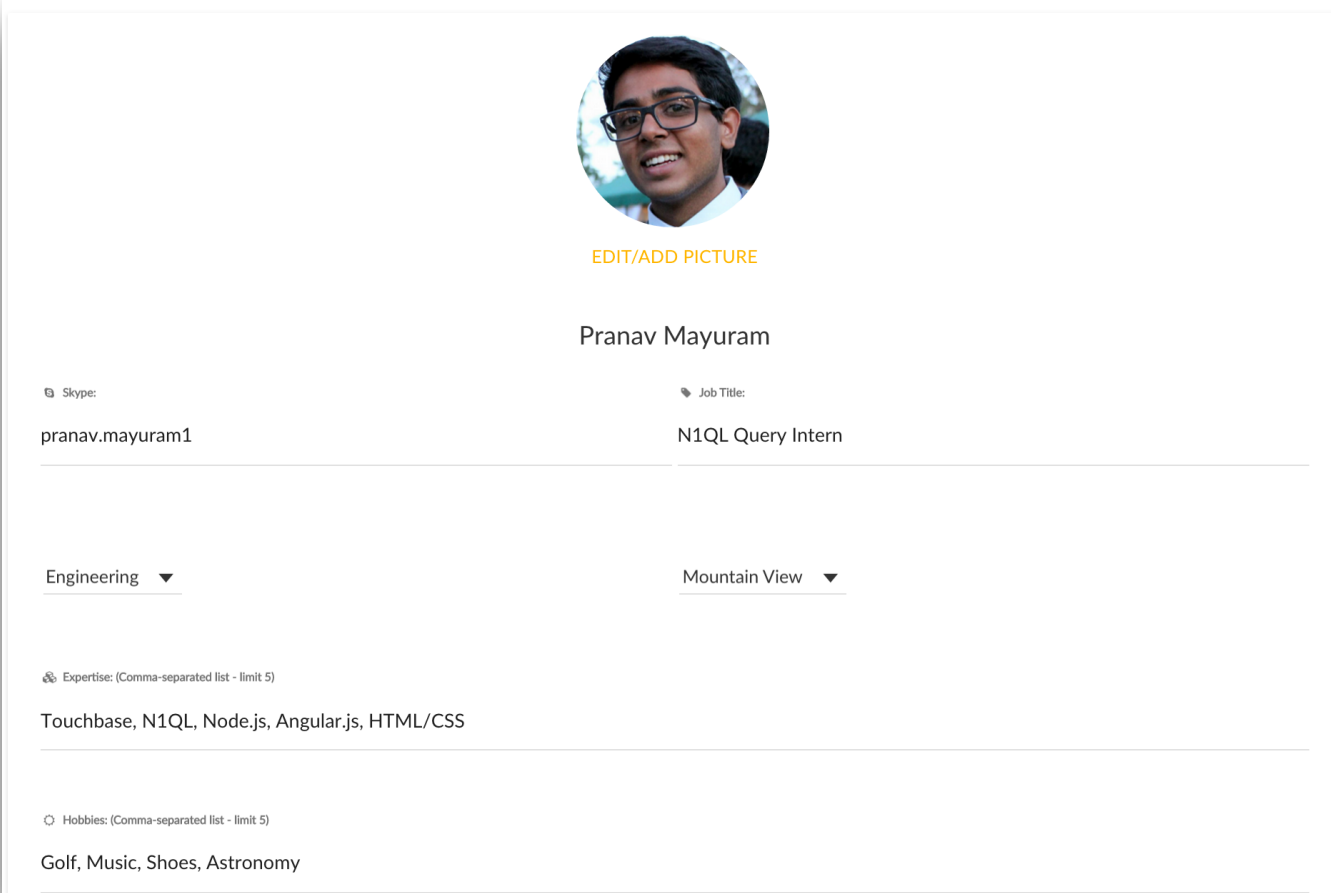


UPDATE users SET login.hasPicture = true WHERE uuid=\$1




# What can I do with it as a User?

## Edit Profile



The image shows a user profile edit form for a user named Pranav Mayuram. The form is displayed within a white rectangular box with a subtle drop shadow. At the top center is a circular profile picture of a man with glasses. Below the picture is a link that says "EDIT/ADD PICTURE". The user's name, "Pranav Mayuram", is centered below the picture. The form is divided into two columns. The left column contains a "Skype:" label with the value "pranav.mayuram1" below it. The right column contains a "Job Title:" label with the value "N1QL Query Intern" below it. Below these are two dropdown menus: "Engineering" on the left and "Mountain View" on the right. Further down, there are two text input fields. The first is labeled "Expertise: (Comma-separated list - limit 5)" and contains the text "Touchbase, N1QL, Node.js, Angular.js, HTML/CSS". The second is labeled "Hobbies: (Comma-separated list - limit 5)" and contains the text "Golf, Music, Shoes, Astronomy".



[EDIT/ADD PICTURE](#)

Pranav Mayuram

Skype:  
pranav.mayuram1

Job Title:  
N1QL Query Intern

Engineering ▼

Mountain View ▼

Expertise: (Comma-separated list - limit 5)  
Touchbase, N1QL, Node.js, Angular.js, HTML/CSS

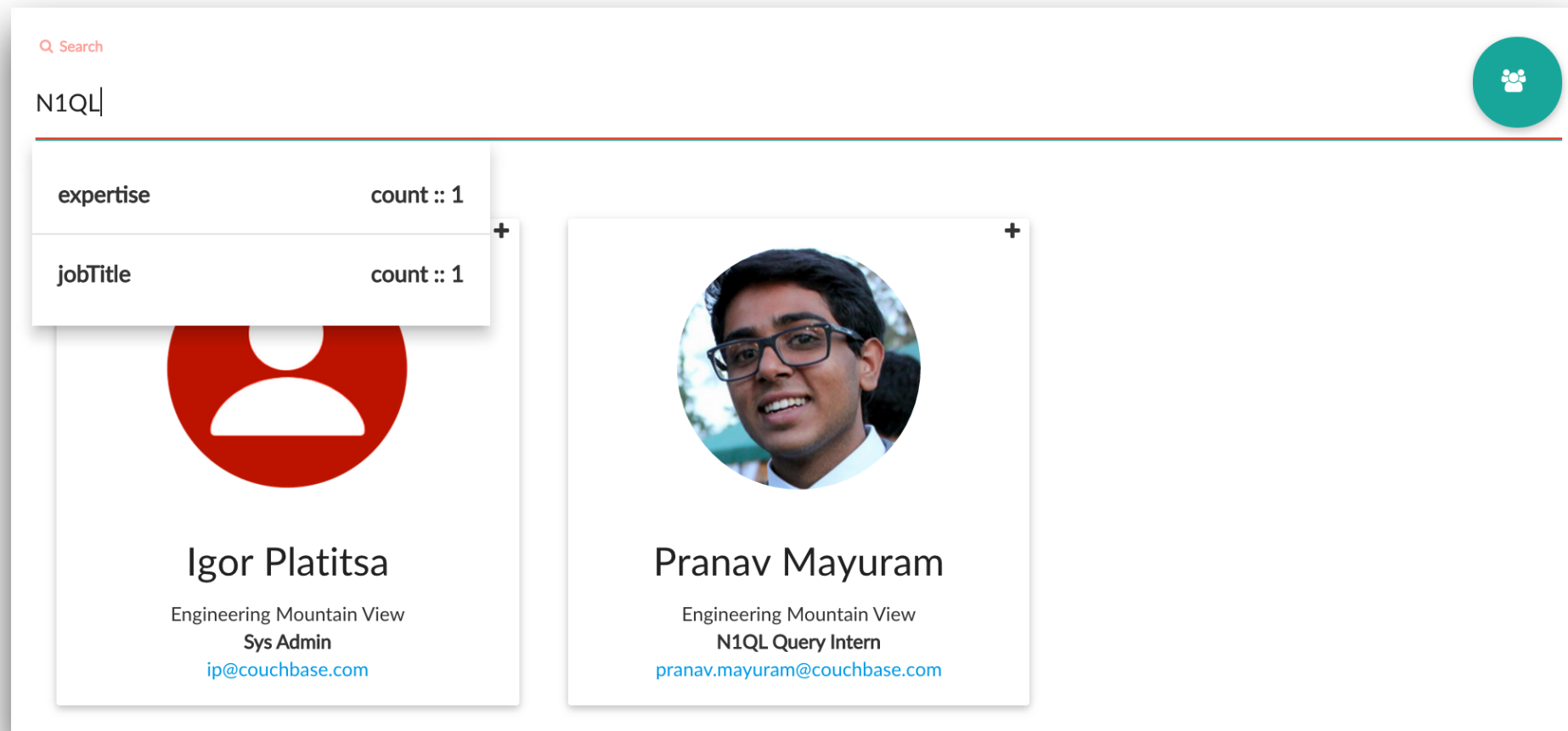
Hobbies: (Comma-separated list - limit 5)  
Golf, Music, Shoes, Astronomy

UPSERT INTO users (KEY, VALUE) VALUES (\$1, \$2)



# What can I do with it as a User?

## Search Users



```
SELECT COUNT(*) as count, 'expertise' AS field FROM users WHERE  
ANY blah IN users.arrayAttributes.expertise SATISFIES LOWER(blah)  
LIKE LOWER("searchTerm") END AND login.emailVerified=true
```



# What can I do with it as a User?

## Make Posts

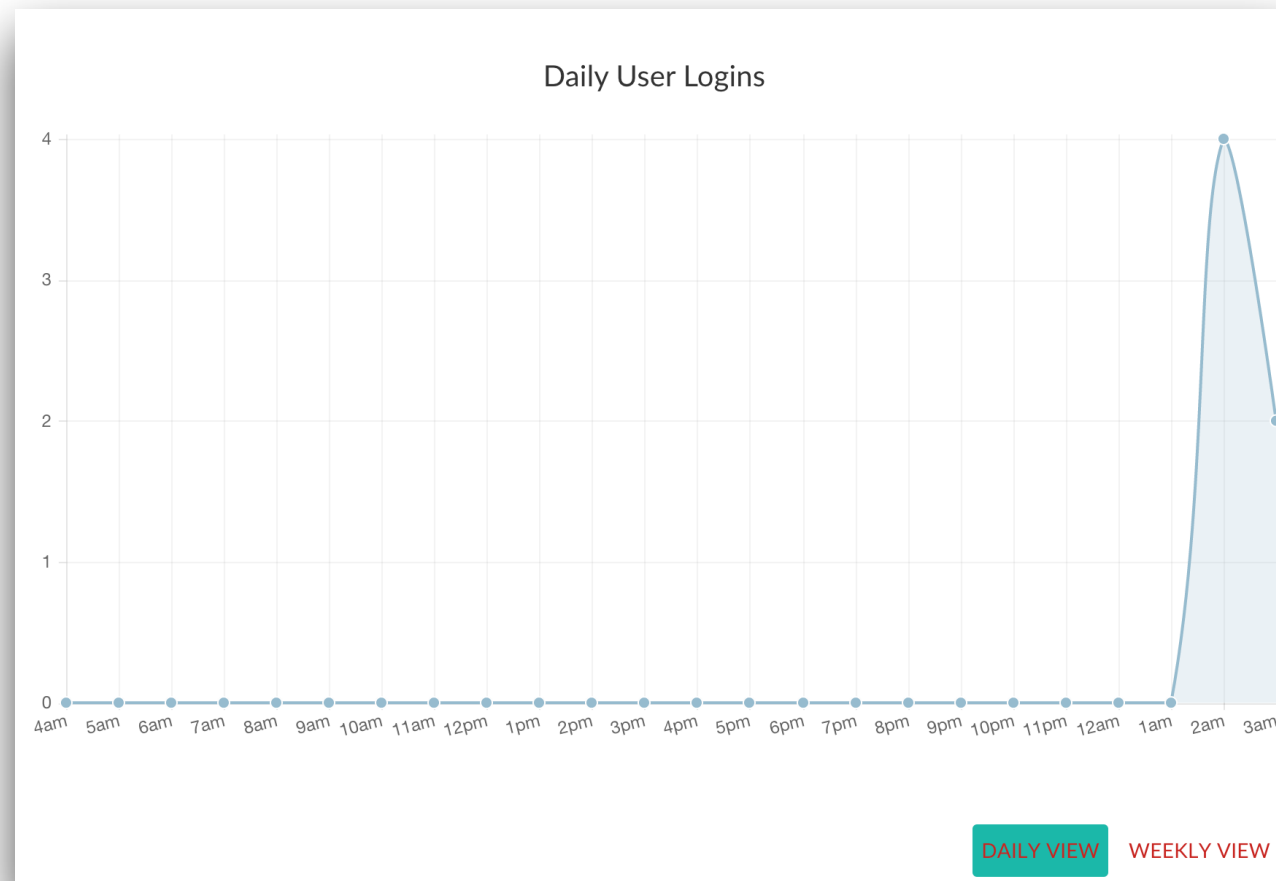
A screenshot of the Touchbase mobile application interface. A modal dialog box titled "Make Post" is centered on the screen. The dialog has a red header bar with a white close button (X) on the right. Below the header, there are two input fields: "Repo Name" with a circular icon to its left, and "Link" with a square icon to its left. Below these fields is a larger text area labeled "Describe the project" with a small blue icon to its left. At the bottom right of the text area, it says "0/400". At the bottom of the dialog, there are two buttons: "CANCEL" and "POST", both in red text.

```
INSERT INTO users_publications (KEY, VALUE) VALUES ($1, $2)
```



# What can I do with it as a User?

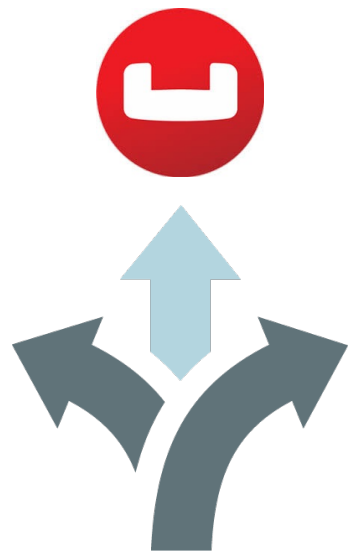
## Track Statistics



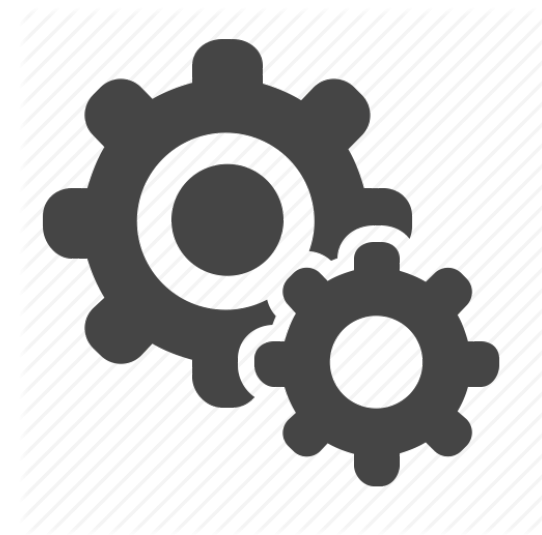
```
SELECT DATE_DIFF_STR(STR_TO_UTC(NOW_STR()), time, \"hour\") AS  
    deltaTime, COUNT(*) AS countTime from users UNNEST  
    timeTracker.loginTimes AS time GROUP BY  
    DATE_DIFF_STR(STR_TO_UTC(NOW_STR()), time, \"hour\") HAVING  
    DATE_DIFF_STR(STR_TO_UTC(NOW_STR()), time, \"hour\") < 24 ORDER  
    BY deltaTime"
```



# How is it different from other social networks?



Data Management Flexibility



Customizable



Thank You!



Please redirect your browsers to  
[‘touchbase.couchbase.com’](http://touchbase.couchbase.com)