

# JS Blog

## Documentation

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### Install Node.js

To get started, the first thing you will need to install to run my project is Node.js, which comes along with a package manager, npm. Node is an open source server created by Google that allows you to run JavaScript server-side. Its package manager will also allow you to install all of the dependencies in the project and also start your local Node server to run the site on your localhost.

Link to install Node:

<https://nodejs.org/en/>

### Install Postgres

For this project I used a database called Postgres, which is an open source relational database. I've included the install links below, which have further instructions for how to install. For Macs there is the handy Postgres App, which is what I will demo using for the rest of the documentation.

On Macs:

<http://postgresapp.com/>

On Windows:

<http://www.postgresql.org/download/windows/>

### Install pgAdmin (Optional)

pgAdmin is a UI for Postgres databases (much like myPHPAdmin). If you would care to see the database values outside of the app, you can use this app. This is installed by default in the Windows Postgres install linked above. For Macs, I used version 1.20.0

On Macs:

<http://www.pgadmin.org/download/macosx.php>

### Create postgres database "blog"

Once you have the database software installed, you will need to create a database called "blog". You can interact with psql using the command line by clicking the small elephant icon in the top right corner of your screen (on Macs) next to your internet network and time information.

From the elephant menu, choose "Open psql" to open a Postgres terminal window. From there enter:

```
CREATE DATABASE blog;
```

Once you enter this command, you can close the terminal (and take a look at your database in pgAdmin, if you like. You may need to click the refresh arrows in the top right to see the new database).

### **Install node packages**

Once you have your database created, you can navigate to the project in your terminal. To install the dependencies the project needs, you can use npm to install all of the dependencies specified in package.json. While in the project's root folder, type:

```
$ npm install
```

This will install of the npm packages for you.

### **Create tables**

Once you have your packages installed, you can create your tables by running the following command from the project's root folder:

```
$ node models/database.json
```

This will create your posts table and also seed it with three example posts.

### **Run node server**

Once the packages have finished installing, you can start your Node server by typing:

```
$ npm start
```

This allows the project to run locally in your browser. Once Node is running, you can navigate to localhost:3000 in your browser to view app or click the link below:

<http://localhost:3000/posts>