

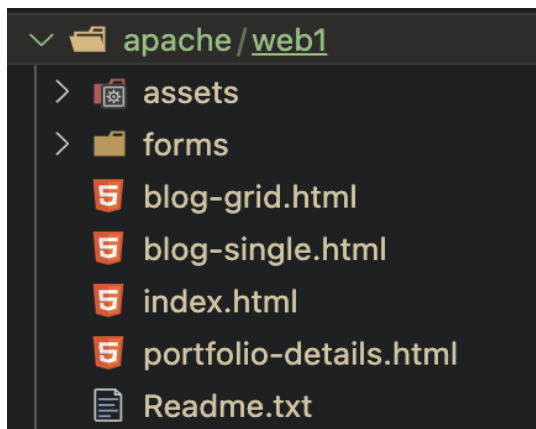
STEP6

Apache web1 configfile

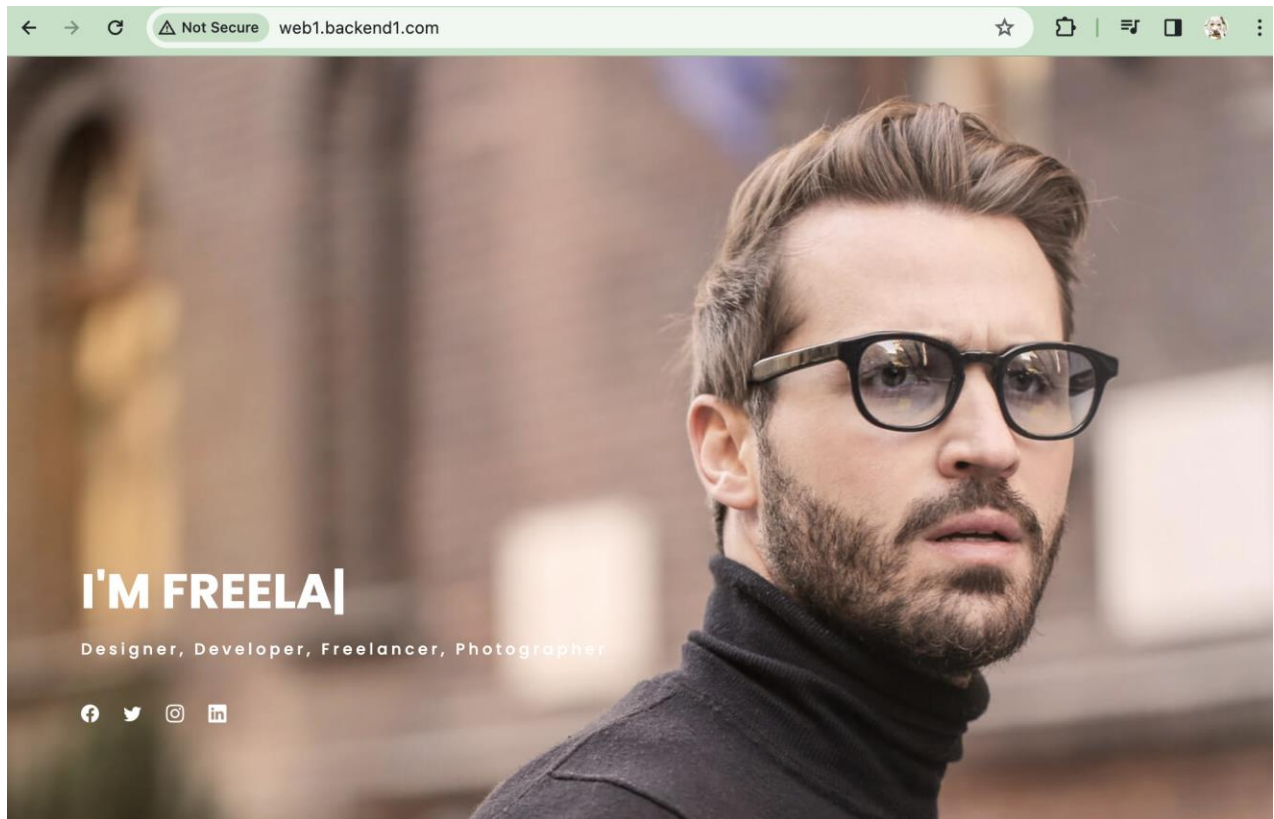
```
jakkrapart@backend1-66543210005:~$ more /etc/apache2/sites-available/web1.conf
<VirtualHost *:80>
    ServerName web1
    ServerAlias web1.backend1.com
    ServerAdmin web1.backend1
    DocumentRoot /var/www/apache/web1
    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet
```

Web1 template folder



Web1 result with domain name

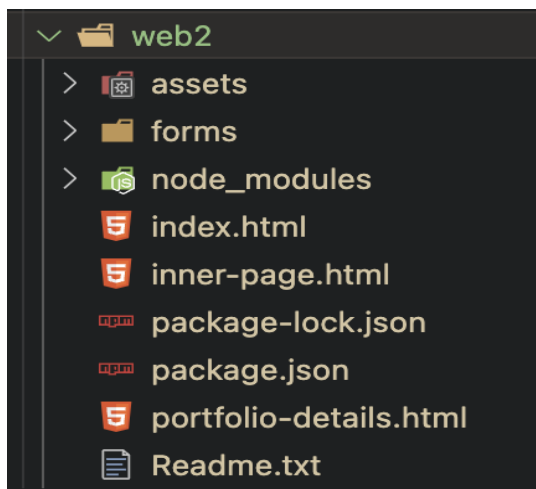


Nginx web2 config file

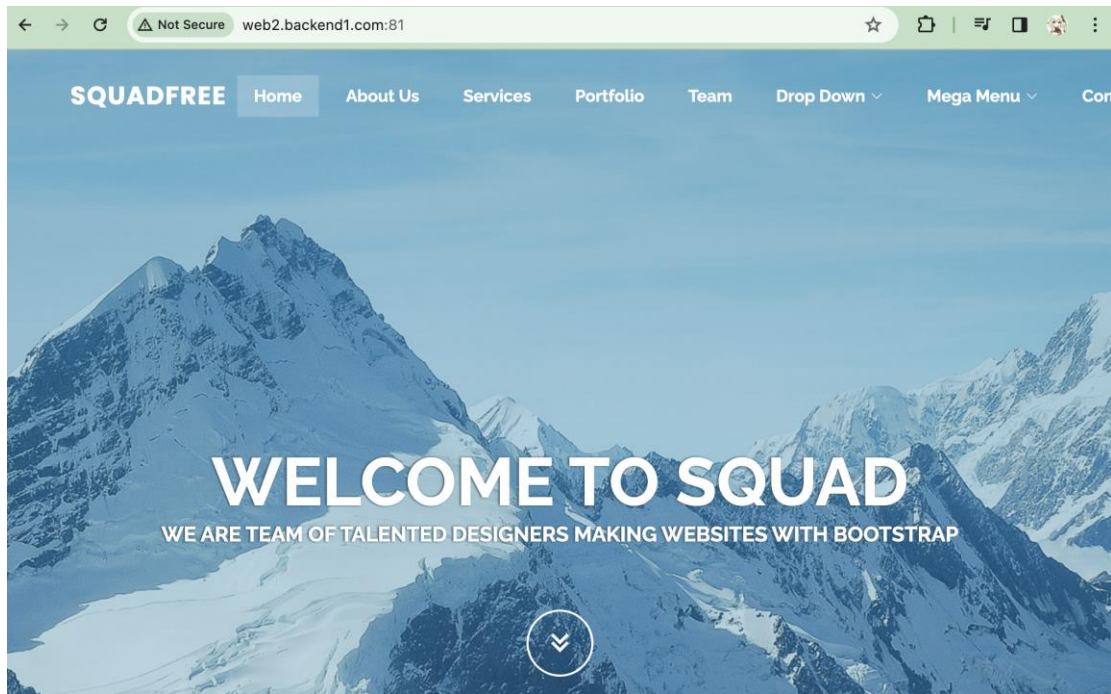
```
jakkrapart@backend1-66543210005:~$ more /etc/nginx/sites-available/default
server {
    listen 81 default_server;
    listen [::]:81 default_server;
    root /var/www/nginx/web2;
    index index.html index.htm index.php index.nginx-debian.html;
    server_name web2.backend1.com;

    location / {
        try_files $uri $uri/ =404;
    }
}
```

Web2 template folder

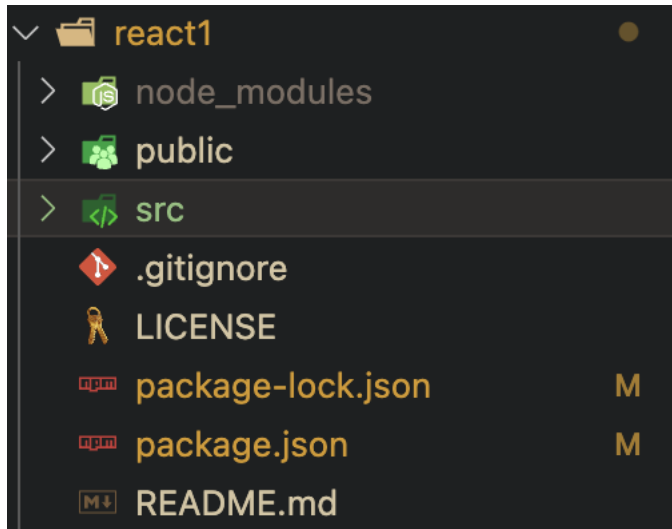


web2 result with domain name



STEP8 react

React1 template folder



Config port react and run react project

You can now view **reactniceresume** in the browser.

Local: `http://localhost:3010`

On Your Network: `http://10.211.55.4:3010`

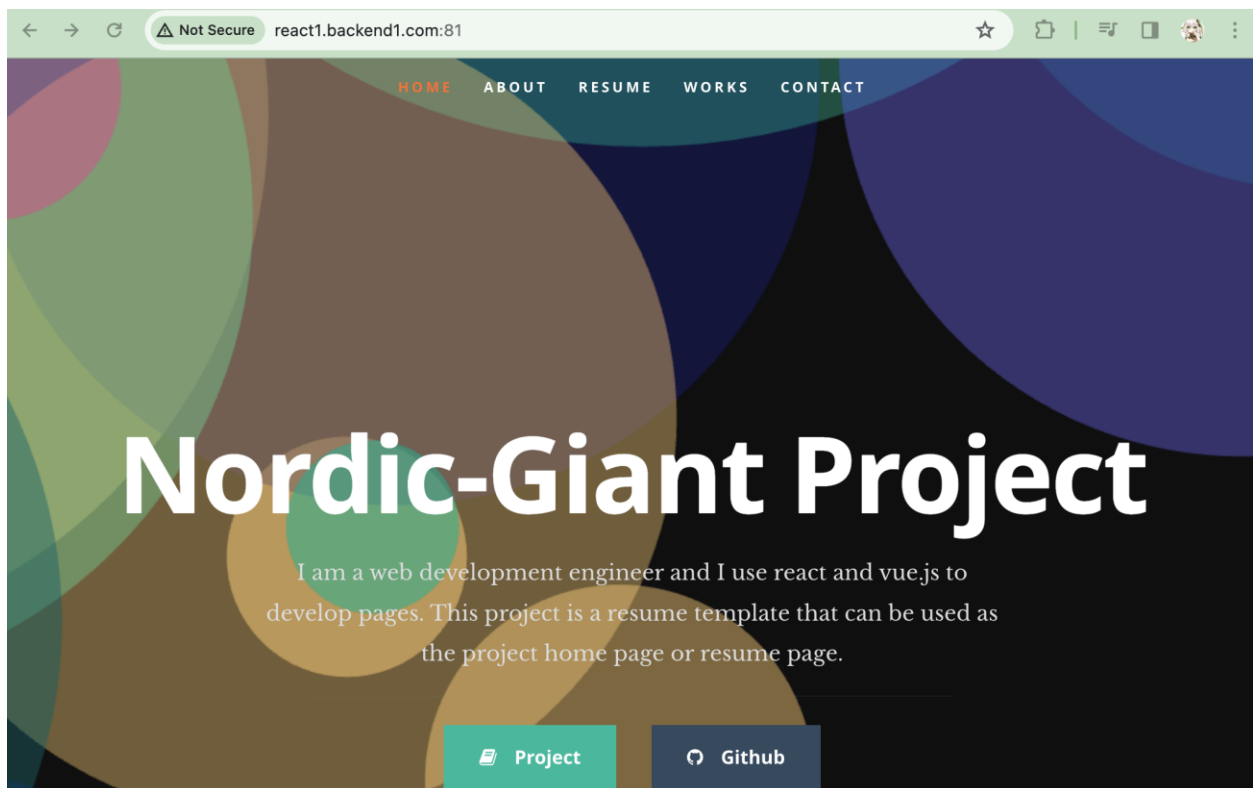
Note that the development build is not optimized.
To create a production build, use `npm run build`.

Nginx react1 config file

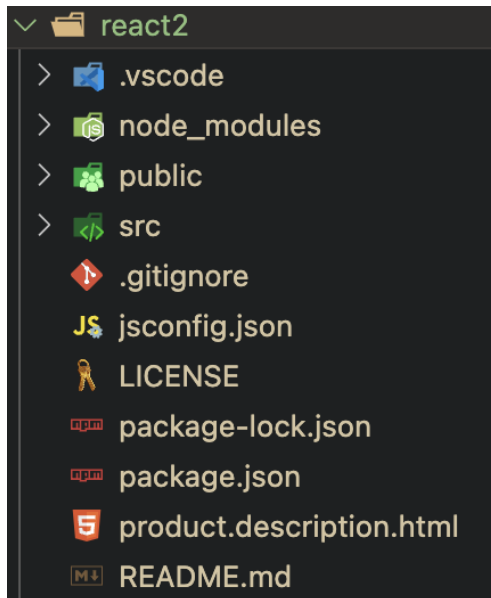
```
jakkrapart@backend1-66543210005:~$ more /etc/nginx/sites-available/react1
server {
    listen 81;
    listen [::]:81;
    server_name react1.backend1.com;

    location / {
        proxy_pass http://127.0.0.1:3010; # !!! - change to your app port
        proxy_http_version 1.1;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection 'upgrade';
        proxy_set_header Host $host;
        proxy_cache_bypass $http_upgrade;
    }
}
```

React1 result with domain name



React2 template folder



Config react port and run react project

You can now view **matx-react** in the browser.

Local: `http://localhost:3011`
On Your Network: `http://10.211.55.4:3011`

Note that the development build is not optimized.
To create a production build, use `yarn build`.

Nginx react2 config file

```
jakkrapart@backend1-66543210005:~$ more /etc/nginx/sites-available/react2
server {
    listen 81;
    listen [::]:81;
    server_name react2.backend1.com;

    location / {
        proxy_pass http://127.0.0.1:3011; # !!! - change to your app port
        proxy_http_version 1.1;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection 'upgrade';
        proxy_set_header Host $host;
        proxy_cache_bypass $http_upgrade;
    }
}
```

React 2 result with domain name

Browser address bar: react2.backend1.com:81/dashboard/default

Hi Jason Alexander

New Leads

3050

This week Sales

\$80,500

Inventory Status

8.5% Stock Surplus

Orders to deliver

305 Orders

Top Selling Products

This Month

Name	Revenue	Stock Status	Action
earphone	\$100	15 available	
earphone	\$1.5k	in stock	
iPhone x	\$1.9k	in stock	
iPhone x	\$100	out of stock	
Head phone	\$1.2k	5 available	

Traffic Sources Last 30 days

Google Facebook Others

Upgrade to **MatX PRO** for more resources

UPGRADE NOW

STEP9

Nginx api in backend2 config file

```
jakkrapart@backend2-66543210005:~$ sudo more /etc/nginx/sites-available/api.backend2
server {
    listen 80;
    listen [::]:80;
    server_name api.backend2.com;

    location / {
        proxy_pass http://127.0.0.1:4040;
        proxy_http_version 1.1;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection 'upgrade';
        proxy_set_header Host $host;
        proxy_cache_bypass $http_upgrade;
    }
}
```

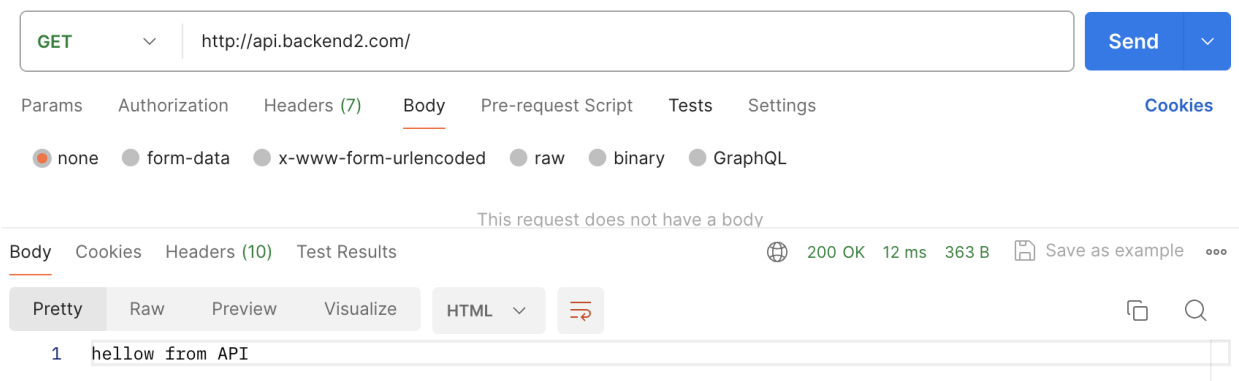
Run api server

```
[nodemon] restarting due to changes...
[nodemon] starting `node index.js`
running server
```

STEP10

Test api via postman

GET api test



POST api register test

The screenshot shows the Postman interface for a POST request to `http://api.backend2.com/register`. The request body is a JSON object with `username: "postman"` and `password: "1234"`. The response is a 200 OK status with a 12 ms response time and 464 B of data. The response body is a JSON object with fields: `fieldCount: 0`, `affectedRows: 1`, `insertId: 0`, `info: ""`, `serverStatus: 2`, `warningStatus: 0`, and `changedRows: 0`.

```
1 {
2   ... "username": "postman",
3   ... "password": "1234"
4 }
```

body Cookies Headers (10) Test Results 200 OK 12 ms 464 B Save as example

Pretty Raw Preview Visualize JSON

```
1 { "fieldCount": 0, "affectedRows": 1, "insertId": 0, "info": "", "serverStatus": 2, "warningStatus": 0,
    "changedRows": 0 }
```

```
mysql> select * from users where username = 'postman';
+-----+-----+
| username | password |
+-----+-----+
| postman  | 1234     |
+-----+-----+
1 row in set (0.00 sec)
```

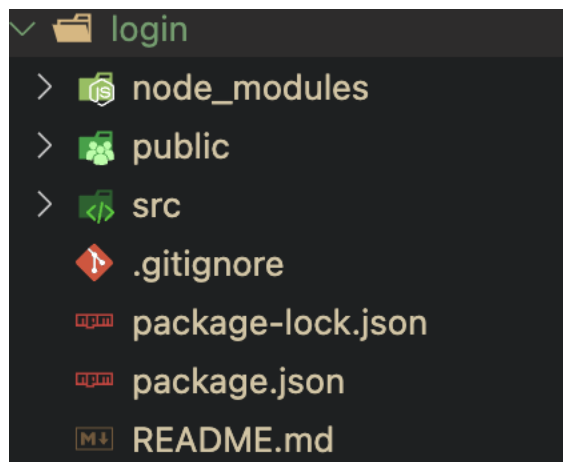
STEP11

Nginx login in backend1 config file

```
jakkrpart@backend1-66543210005:~$ more /etc/nginx/sites-available/login
server {
    listen 81;
    listen [::]:81;
    server_name login.backend1.com;

    location / {
        proxy_pass http://127.0.0.1:3012;
        proxy_http_version 1.1;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection 'upgrade';
        proxy_set_header Host $host;
        proxy_cache_bypass $http_upgrade;
    }
}
```

Login web template folder



Config port in react login webpage and strat react project

```
Compiled successfully!
```

```
You can now view login in the browser.
```

```
Local: http://localhost:3012
```

```
On Your Network: http://10.211.55.4:3012
```

```
Note that the development build is not optimized.  
To create a production build, use npm run build.
```

Login Result with domain name

⚠ Not Secure

login.backend1.com:81

☆

🔖

Registration

Username

password

Register

Login

Username...

Password...

Login

Test project

Register test



Registration

Username

password

Register

Login

Username...

Password...

Login

'lab3' was inserted.

```
mysql> select * from users;
+-----+-----+
| username | password |
+-----+-----+
| jakkrapart | 1234 |
| lab3 | 1234 |
```

Login test



Registration

Username

lab3

password

1234

Register

Login

lab3

....

Login

'lab3' was logged in.