

PROIECT NR.3

Disciplina: Proiectarea Aplicatiilor Distribuite

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Part 1

ⓘ Not Secure | ec2-3-23-86-92.us-east-2.compute.amazonaws.com/index



EC2 Instances (IaaS)

Instance summary for i-01c02ec52d6c76137

Info

Updated less than a minute ago

Refresh

Connect

Instance state ▼

<div>Instance ID</div> <div>i-01c02ec52d6c76137</div>	<div>Public IPv4 address</div> <div>3.23.86.92 open address</div>	<div>Private IPv4 addresses</div> <div>172.31.17.55</div>
<div>Instance state</div> <div>Running</div>	<div>Public IPv4 DNS</div> <div>ec2-3-23-86-92.us-east-2.compute.amazonaws.com open address</div>	<div>Private IPv4 DNS</div> <div>ip-172-31-17-55.us-east-2.compute.internal</div>
<div>Instance type</div> <div>t2.micro</div>	<div>Elastic IP addresses</div> <div>-</div>	<div>VPC ID</div> <div>vpc-2a932f41</div>
<div>AWS Compute Optimizer finding</div> <div>Opt-in to AWS Compute Optimizer for recommendations. Learn more</div>	<div>IAM Role</div> <div>-</div>	<div>Subnet ID</div> <div>subnet-bab0a2c0</div>

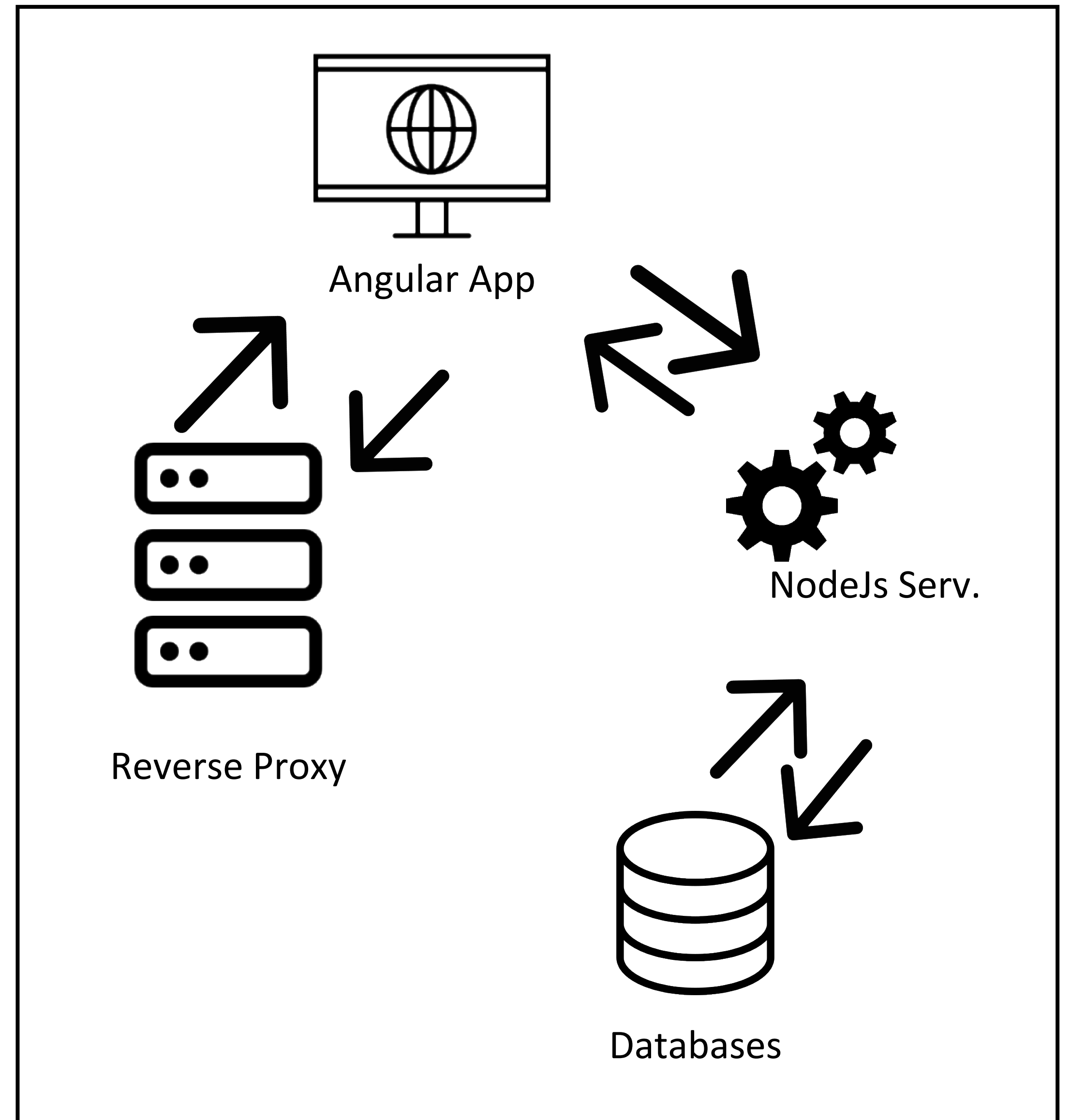
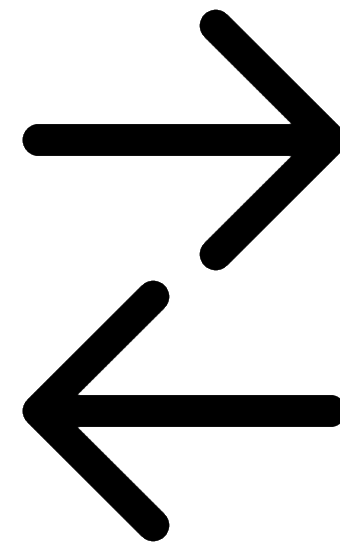
TOOLS



Diagram

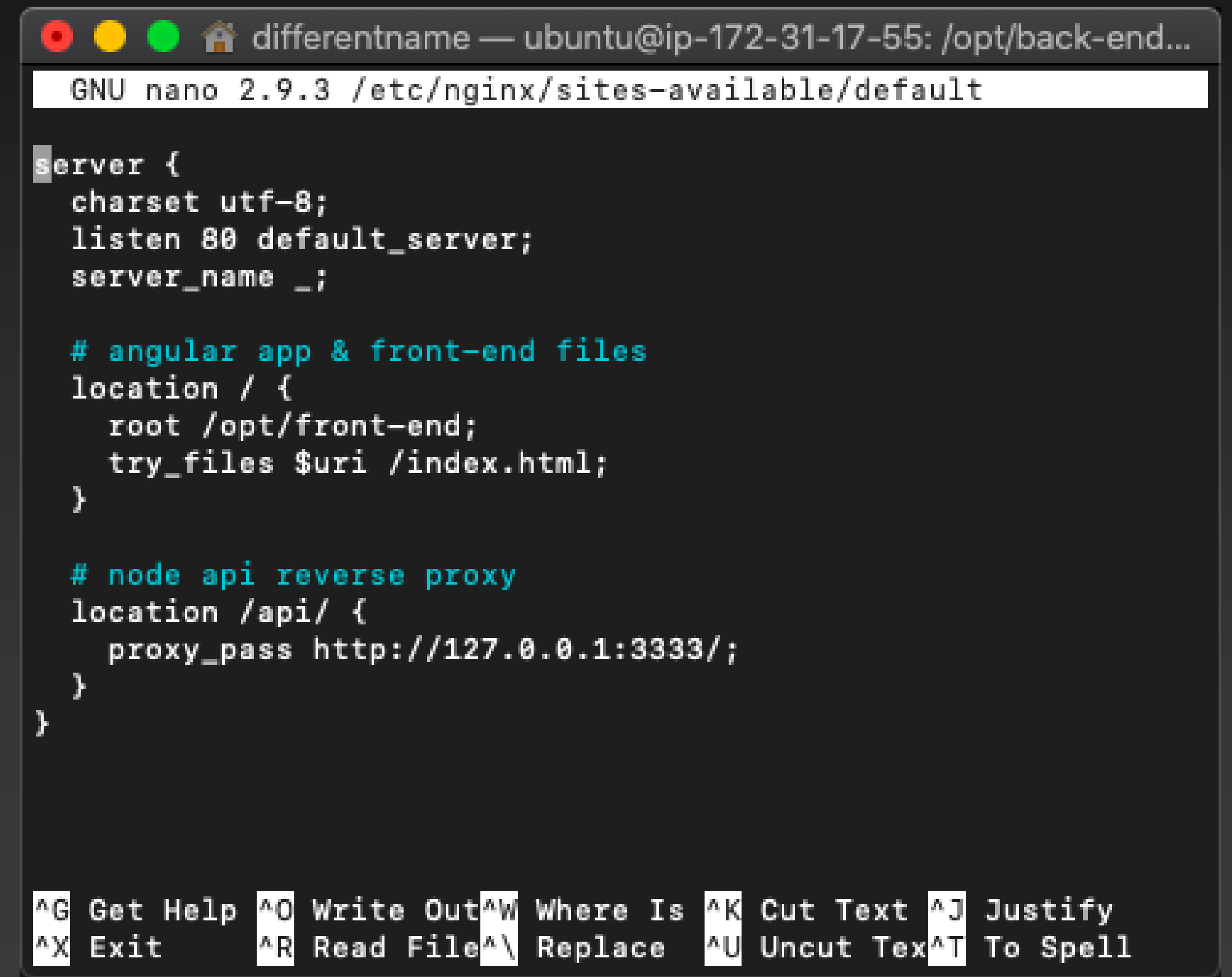


User



NGINX Configuration

- Angular APP
- Node API
Reverse Proxy

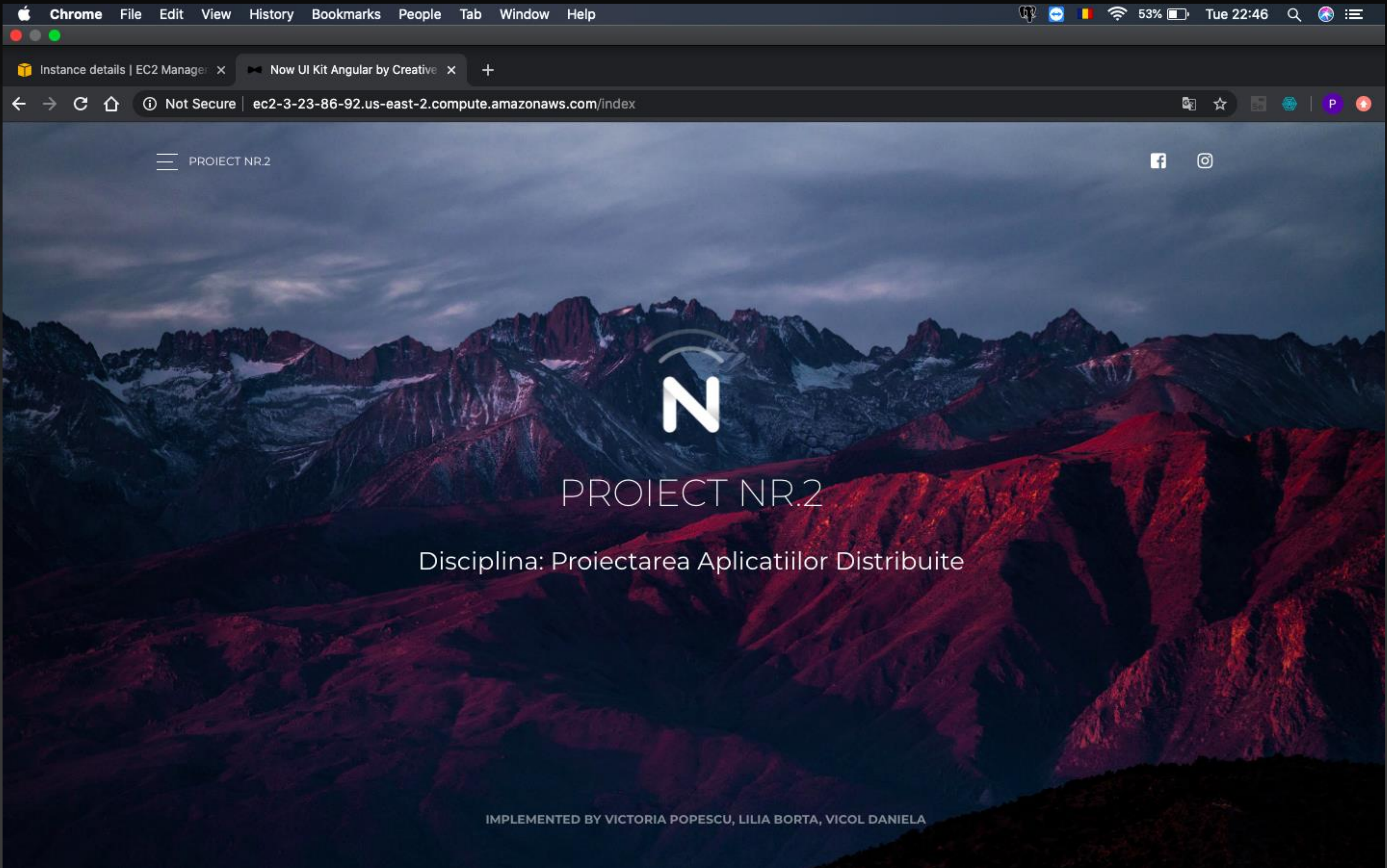


The screenshot shows a terminal window with the title bar "differentname — ubuntu@ip-172-31-17-55: /opt/back-end...". The terminal is running the GNU nano 2.9.3 editor, editing the file /etc/nginx/sites-available/default. The configuration file content is as follows:

```
server {  
    charset utf-8;  
    listen 80 default_server;  
    server_name _;  
  
    # angular app & front-end files  
    location / {  
        root /opt/front-end;  
        try_files $uri /index.html;  
    }  
  
    # node api reverse proxy  
    location /api/ {  
        proxy_pass http://127.0.0.1:3333/;  
    }  
}
```

At the bottom of the terminal, there is a help bar with the following shortcuts:

^G Get Help	^O Write Out	^W Where Is	^K Cut Text	^J Justify
^X Exit	^R Read File	^\ Replace	^U Uncut Text	^T To Spell



Test Backend

FORM CONTROLS TO ADD A NEW USER

👤 Username

Full Name ✓

Email ✗

🔒 Password

Inviter Id

👤

+ Add

Result

ROLE	USER ID	USERNAME	FULL NAME	EMAIL	BALANCE	
PARTNER	1	ab	Partner User	partner@gmail.com	150	Delete
USER	2	newUser	New User	newUser@gmail.com	0	Delete

differentname — ubuntu@ip-172-31-17-55: /opt/b...

```
/home/ubuntu/.pm2/logs/index-out.log last 15 lines:
0|index      | lib/db/conf loaded
0|index      | Server running at http://127.0.0.1:3333/
0|index      | lib/db/conf loaded
0|index      | Server running at http://127.0.0.1:3333/
0|index      | ----SELECT*FROM public.all_users ----
0|index      | Result:  1
0|index      | ----SELECT*FROM public.all_users ----
0|index      | Result:  1
0|index      | ----SELECT*FROM public.all_users ----
0|index      | Result:  1
```

```
[{"userid":1,"roleid":1,"username":"ab","fullname":"Partner User","psw":"partner@gmail.com","email":"test","balance":0}]
```


Part 2

ⓘ Not Secure | hello-env.eba-82xn3nid.us-east-2.elasticbeanstalk.com



Elastic Beanstalk (Paas)

←

→

↺

🏠

🔒

us-east-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-east...

📄

☆

Se

🌐

☰

P

⬆

aws

Services ▼

🔔

vittoria ▼

Ohio ▼

Support ▼

Elastic Beanstalk

×

Environments

Applications

▼ hello

Application versions

Saved configurations

▼ Hello-env

Go to environment ↗

Configuration

Hello-env

[Hello-env.eba-82xn3nid.us-east-2.elasticbeanstalk.com](#) ↗ (e-mgfef3cd4g)

Application name: [hello](#)

Refresh

Actions ▼

Health

✔

Ok


Causes

Running version

Sample Application

Upload and deploy

Platform



Node.js 12 running on 64bit Amazon Linux 2/5.2.3

Change



Not Secure — hello-env.eba-82xn3nid.us-east-2.elasticbea



Congratulations

Your first AWS Elastic Beanstalk Node.js application
is now running on your own dedicated environment in
the AWS Cloud

This environment is launched with Elastic Beanstalk
Node.js (Beta) Platform

What's Next?

- [AWS Elastic Beanstalk overview](#)
- [AWS Elastic Beanstalk concepts](#)
- [Deploy an Express Application to AWS Elastic Beanstalk](#)
- [Deploy an Express Application with Amazon ElastiCache to AWS Elastic Beanstalk](#)
- [Deploy a Geddy Application with Amazon ElastiCache to AWS Elastic Beanstalk](#)
- [Customizing and Configuring a Node.js Container](#)
- [Working with Logs](#)

Thank you... YOU ARE
AWESOME!