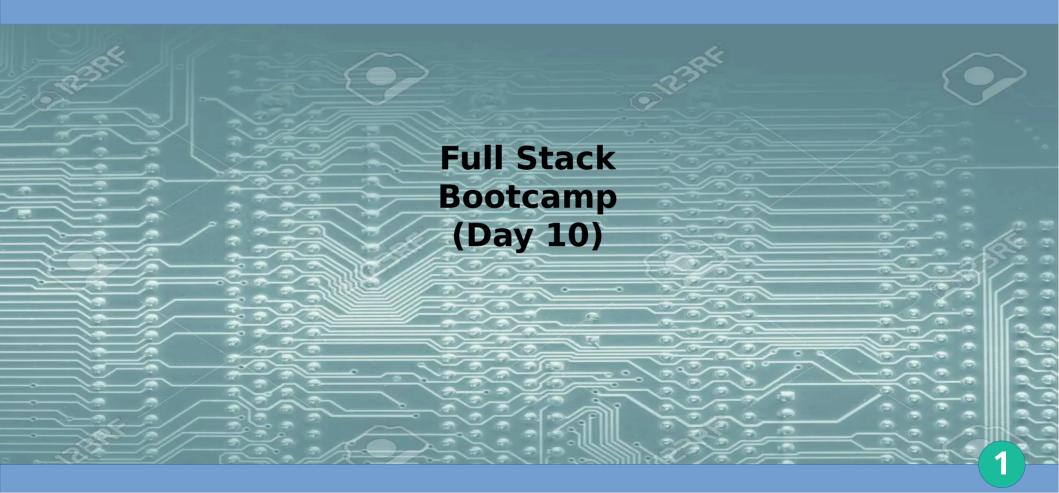# You did it!

**Full Stack
Bootcamp
(Day 10)**

Agenda

- Day 1
  - ES6+
- Day 2
  - React Native
- Day 3
  - Angular
- Day 4
  - Springboot
  - SpringData
- Day 5
  - JSON
  - NoSQL

- Day 6
  - Relational
- Day 7
  - Junit
  - Mockito
- Day 8
  - Docker
- Day 9
  - Kubernetes
- Day 10
  - Images and tips

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Reviewing images

- Docker hub

- Azure container repository

- IBM images

- Amazon ECR

Tips

- CSS3

- Python

- C#

CSS3 Review

- Classes

- Selectors

Basic CSS 3 examples

```
<style>
.dropdown {
  position: relative;
  display: inline-block;
}
.dropdown-content {
  display: none;
  position: absolute;
  background-color: #f9f9f9;
  min-width: 160px;
  box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);
  padding: 12px 16px;
  Z-index: 1;
}
```

```
.dropdown:hover .dropdown-content {
  display: block;
}
</style>
<div class="dropdown">
  <span>Mouse over me</span>
  <div class="dropdown-content">
    <p>Hello World!</p>
  </div>
</div>
```

Move the mouse over the text below to open the dropdown content.

Mouse over me

Hello World!

CSS3 First steps

```css
body {
  background-color: lightblue;
}
h1 {
  color: white;
  text-align: center;
}
p {
  font-family: verdana;
  font-size: 20px;
}
```

Selector or descriptor

Property, value

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CSS3 + HTML

```
<!DOCTYPE html>
<html>
<head>
<style>
body {
  background-color: lightblue;
}
h1 {
  color: white;
  text-align: center;
}
p {
  font-family: verdana;
  font-size: 20px;
}
</style>
</head>
<body>
<h1>My First CSS Example</h1>
<p>This is a paragraph.</p>
</body>
</html>
```

Internal

Style HTML Tag

In a file

<link rel="stylesheet" href="mystyle.css">

Any HTML tag that will have a style,
matches with the style defied

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Selectors by identifier

```
#para1 {
  text-align: center;
  color: red;
}
<p id="para1">Hello World!</p>
```

Selectors by class

```
<style>
.center {
  text-align: center
  color: red;
}
</style>
<body>
<h1 class="center">Red and center-aligned
heading</h1>
<p class="center">Red and center-aligned
paragraph.</p>
</body>
</html>
```

Red and center-aligned heading

Red and center-aligned paragraph.

Inline CSS

<h1 style="color:blue;text-align:center;">This is a heading</h1>
<p style="color:red;">This is a paragraph.</p>

This is a heading

This is a paragraph.

Cascading order

What style will be used when there is more than one style specified for an HTML element?

- All the styles in a page will "cascade" into a new "virtual" style sheet by the following rules, where number one has the highest priority:
  - Inline style (inside an HTML element)
  - External and internal style sheets (in the head section)
  - Browser default
- So, an inline style has the highest priority, and will override external and internal styles and browser defaults.

Colors

- https://developer.mozilla.org/en-US/docs/Web/CSS/color_value/color_keywords

  }   `<h1 style="color:Tomato;">Hello World</h1>`

  } `<p style="color:DodgerBlue;">Lorem ipsum...</p>`

  } `<p style="color:MediumSeaGreen;">Ut wisi enim...</p>`

  } `<h1 style="background-color:rgb(255, 99, 71);">...</h1>`

  } `<h1 style="background-color:#ff6347;">...</h1>`

  } `<h1 style="background-color:hsl(9, 100%, 64%);">...</h1>`

  } `<h1 style="background-color:rgba(255, 99, 71, 0.5);">...</h1>`

  } `<h1 style="background-color:hsla(9, 100%, 64%, 0.5);">...</h1>`

Transparency

```
div {
  background-color: green;
  opacity: 0.3;
}
div {
  background: rgba(0, 128, 0, 0.3) /* Green background with 30% opacity */
}
```

Images and attachments

```
body {
  background-image: url("img_tree.png");
  background-repeat: no-repeat;
  background-position: right top;
  background-attachment: fixed;
}
```

Course quick review

- Front end
- CSS3
- ES6+
- Angular
- React Native
- Back End
- Spring
- JSON
- Junit/Mockito

- Servers
- NoSQL
- MongoDB
- Cassandra
- RDBMS
- Engines
- SQL
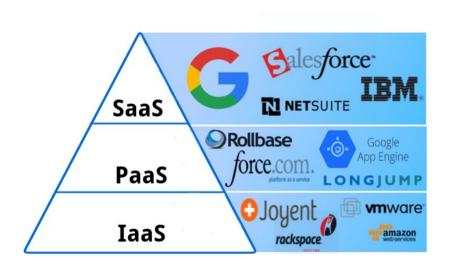- DDL
- DML
- Docker
- Kubernetes

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Introduction to Cloud architecture

- Origins
- BBS (1980's and 1990s)
- P2p file exchangers
- Torrents, Napster, GNUtella
- On line storage
- Mediafire, Rapidshare
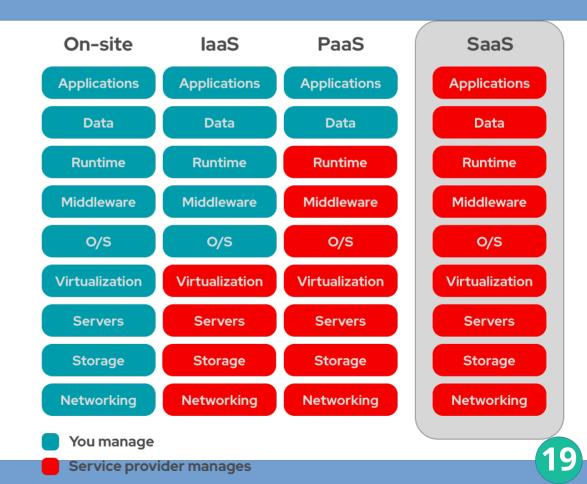- SaaS
- Online games

PaaS

- Platform as a service (PaaS) is a cloud computing model where a third-party provider delivers hardware and software tools to users over the internet.

SaaS

- SaaS Software as a Service Examples
  - Dropbox
  - Google Workspace
  - MailChimp
  - Salesforce
  - GoToMeeting
  - Concur
  - Cisco WebEx

On-site	IaaS	PaaS	SaaS
Applications	Applications	Applications	Applications
Data	Data	Data	Data
Runtime	Runtime	Runtime	Runtime
Middleware	Middleware	Middleware	Middleware
O/S	O/S	O/S	O/S
Virtualization	Virtualization	Virtualization	Virtualization
Servers	Servers	Servers	Servers
Storage	Storage	Storage	Storage
Networking	Networking	Networking	Networking

🟦 You manage
🟥 Service provider manages

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IaaS

- IaaS (Infrastructure as a Service) is a computing model that offers on demand resources to corporate and persons using the cloud.

- Examples
  - } DigitalOcean.
  - } Linode.
  - } Rackspace.
  - } Amazon Web Services (AWS)
  - } Cisco Metacloud.
  - } Microsoft Azure.
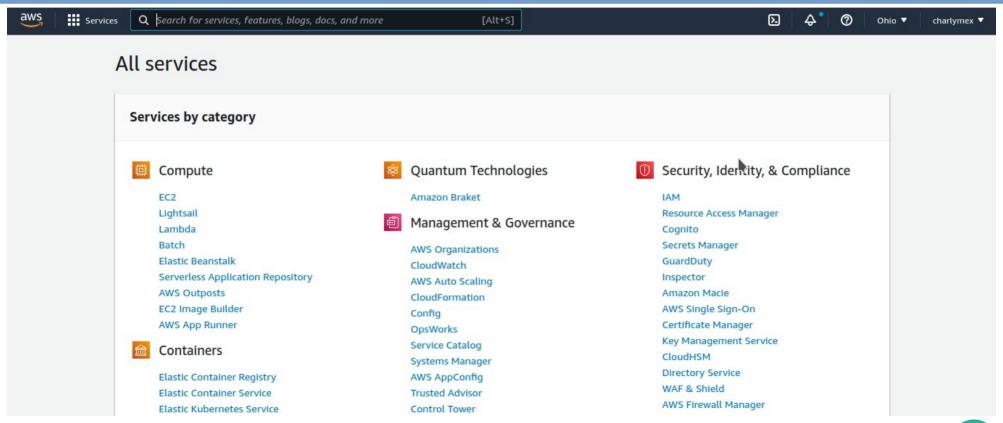 - } Google Compute Engine (GCE)

Standard services

- Set of solutions and products operated by Amazon

- Analytic and data lake

- Machine Learning

- Serverless computing

- Storage

- App Development and DevOps

- Blockchain

- Databases

- IoT

- Compute and Networking
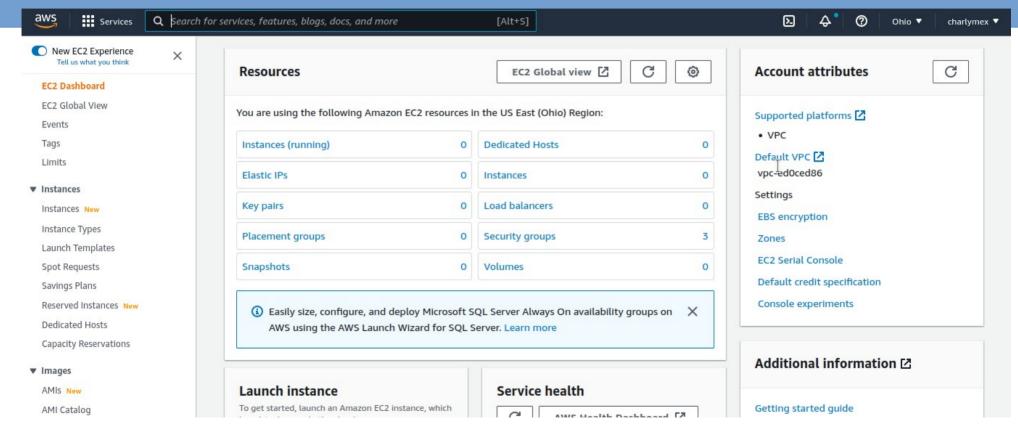
- Security and compliance

Most known AWS for development

- S3
- EC2
- RDS
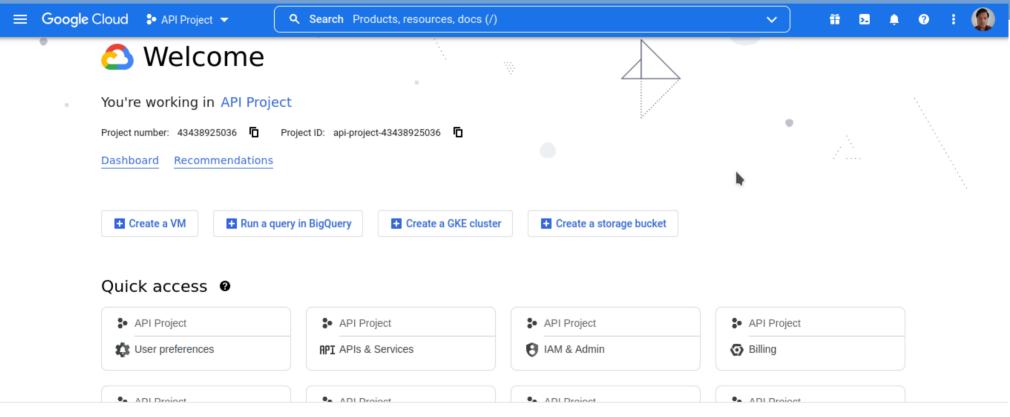- Lambda Services
- Containers

Console

Console EC2

GCP

- Google offering
- Virtual machines
- Processing
  - Compute engine
  - Kubernetes engine
  - VMWare engine
  - Anthos
- Storage
  - Cloud storage
  - File store
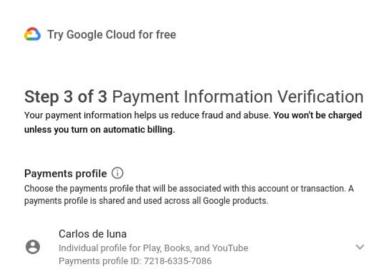
- Analysis
  - BigQuery
  - Dataflow
  - Elastic Cloud
- Networking
  - VPC
- Serverless
  - CloudRun
  - App engine
- Databases
- CI/CD

Console

GCP Free trial

Try Google Cloud for free

Step 3 of 3 Payment Information Verification

Your payment information helps us reduce fraud and abuse. **You won't be charged unless you turn on automatic billing.**

Payments profile ⓘ

Choose the payments profile that will be associated with this account or transaction. A payments profile is shared and used across all Google products.

Carlos de luna
Individual profile for Play, Books, and YouTube
Payments profile ID: 7218-6335-7086

Customer info

Account type ⓘ

Individual

Access to all Cloud Platform Products

Get everything you need to build and run your apps, websites and services, including Firebase and the Google Maps API.
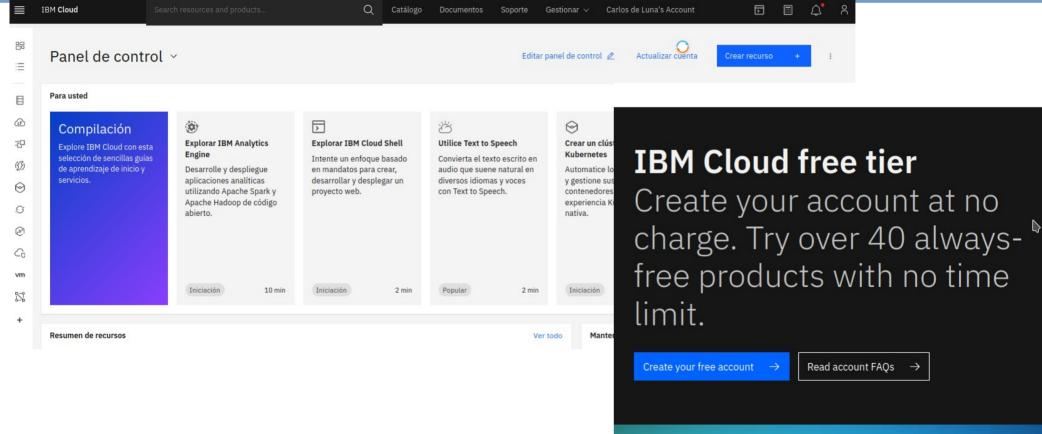
$300 credit for free

Put Google Cloud to work with $300 in credit to spend over the next 90 days.

No autocharge after free trial ends

We ask you for your credit card to make sure you are not a robot. You won't be charged unless you manually upgrade to a paid account.

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IBM

Standard Services

- Computing
- Containers
- IA
- Analytic
- Blockchain
- Databases (SQL and NonSQL)
- Development
- Migration
- Integration
- Security

IBM **Cloud**

Exercise 1

Basic CSS 3

What's Next

- Learn lambdas and cloud functions
- Learn and try cloud services
- Learn about networking security on the cloud
- Practice
- Practice
- Practice
- Search for more tutorials
- Practice

Thanks all

The Last Exercise!

- Good looking Webpage

Day 10 summary

- Images
- Review
- Cloud offerings
  - AWS
  - GCP
  - IBM
- What's next
- Thanks