

ZAIO & INVESTSOC PRESENT

Building your very own Finance App!



HI! I'M AKHIL BODDU

FOUNDER & COO AT ZAIO

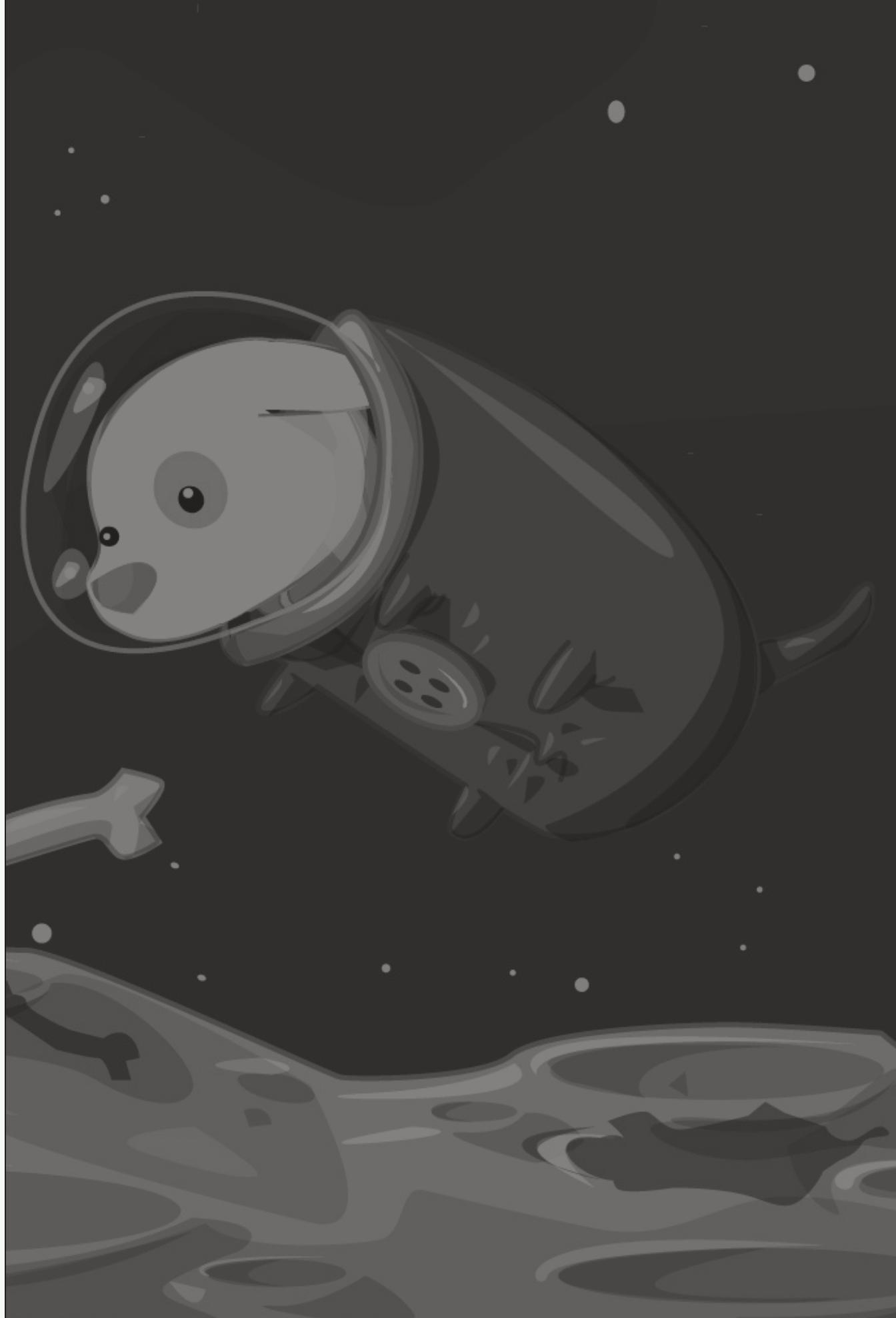
Background & how I got here today!



PLAN FOR TODAY

WHAT WE'RE COVERING

- DEMO!
- HEADSUP!
- WEB DEVELOPMENT REQUIREMENTS
- HTML BASICS
- CSS BASICS
- BOOTSTRAP
- JAVASCRIPT BASICS
- GET BETTER, EARN MONEY & GROW YOUR NETWORK



DEMO!



DEMO TIME



HEADSUP!



- Web development takes a while!
- It's easy, anybody can learn it
- Join Zaio.io to get start learning in depth
- Structure of this workshop
 - Will explain concepts using code for this workshop
 - Download code: <https://github.com/akhilboddu/js-budget-app>

WEB REQUIREMENTS



- A TEXT EDITOR (MS VS)
- A BROWSER
- A WEB SERVER

HTML



- HYPER TEXT MARKUP LANGUAGE
- STANDARD FOR WRITING WEB PAGES
- ALL WEB PAGES RUNNING IN A WEB BROWSER (CLIENT SIDE)

HTML BASICS!

- <tag>content</tag>
- <head>
- <body>
- Heading <h1>
- Paragraph <p>
- Horizontal Line <hr>

```
<html>
  <head>
    <meta content="text/html;
      charset=UTF-8" http-equiv="Content-Type"/>
    <title>My lovely web page </title>
  </head>
  <body>
    <h1>This is my lovely web page </h1>
    <p>
      It has lots of lovely content. It has some
      <em>emphasized text </em>
      and look at this, a blockquote:
    </p>
    <blockquote>
      <p>You fools, I will destroy you
        all! </p>
    </blockquote>
    <h2>And here's a subheading </h2>
    <p>That about covers it, I think </p>
    <hr/>
  </body>
</html>
```

This is my lovely web page

It has lots of lovely content. It has some *emphasized text* and look at this, a blockquote:

You fools, I will destroy you all!

And here's a subheading

That about covers it, I think

HTML BASICS!



- Line Break `
`
- SPAN ``
- LINK `<a>`
- IMAGE ``
- DIV `<div>`
- TABLE `<table>`
- LIST `` or ``
- FORM AND INPUT `<form>`
- IFRAAME `<iframe>`

CSS



- Cascading Style Sheets
- Standard for styling HTML elements
- Internal Stylesheet
- External Stylesheet
- Inline styles

CSS BASICS!



- Syntax (rules)

```
body {  
    background: #eeeeee;  
    font-family: "Trebuchet MS", Verdana, Arial, serif;  
}
```

- Tag Selector
- Class Selector
- ID Selector
- Can add animations and do so many amazing things. Learn CSS in depth at zaio.io!

BOOTSTRAP TO THE RESCUE!



- Open source toolkit for developing with HTML, CSS, and JS.
- Styling tool
- Can get started here: <https://getbootstrap.com/>

JAVASCRIPT



- Scripting programming language
- Client side (also server side)
- The power of web development! content, styling, making things interactive

```
<script type="text/javascript">  
//JavaScript goes here  
</script>
```

```
<script src="whatever.js" type="text/javascript"></script>
```

JAVASCRIPT



- JSON (JavaScript Object Notation): simple and readable
- Document Object Model (The HTML DOM model is constructed as a tree of Objects)

```
var element = document.getElementById("theID");
document.getElementsByClassName('a');

element.innerHTML = "Write the HTML";

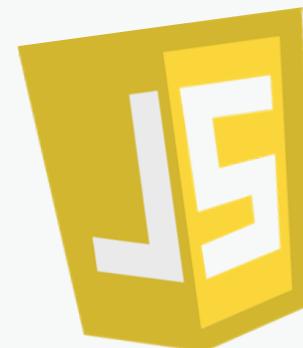
element.style.color = "blue";
```

JAVASCRIPT BASICS



- Commenting
- Variables (let x = 5 or const x =5)
- Conditionals (if...else)
- Operators (+, -, /, *, =, ===, !, !==)
- Functions & Anonymous functions
- Events
- Objects
- Class & Constructor
- Objects
- Loops
- Console.log!

THAT WAS INTENSE!



- That was just a quick skim! Can get into this in depth!
- It can get challenging to build large applications like this - CHOOSE A SPECIALIZATION
- Make life easier



React Native



BUILDING THE APPLICATION (WALKTHROUGH)



- File structure
- Adding budget
- Adding expense
- Editing expense
- Removing expense

NOW WHAT?



- Improve budget app further!
- Learn how to code on Zaio.io practically
- Build your portfolio, earn part time money and open up job opportunities
- Build more applications relevant to your career to boost your entrepreneurial career.
- Impact the 4IR - more skills in Zaio's pipeline.

QUESTIONS?

YOU CAN CONTACT/CHAT TO ME!

 akhil@zaio.io

 +27 763793540

 @akhilboddu 

