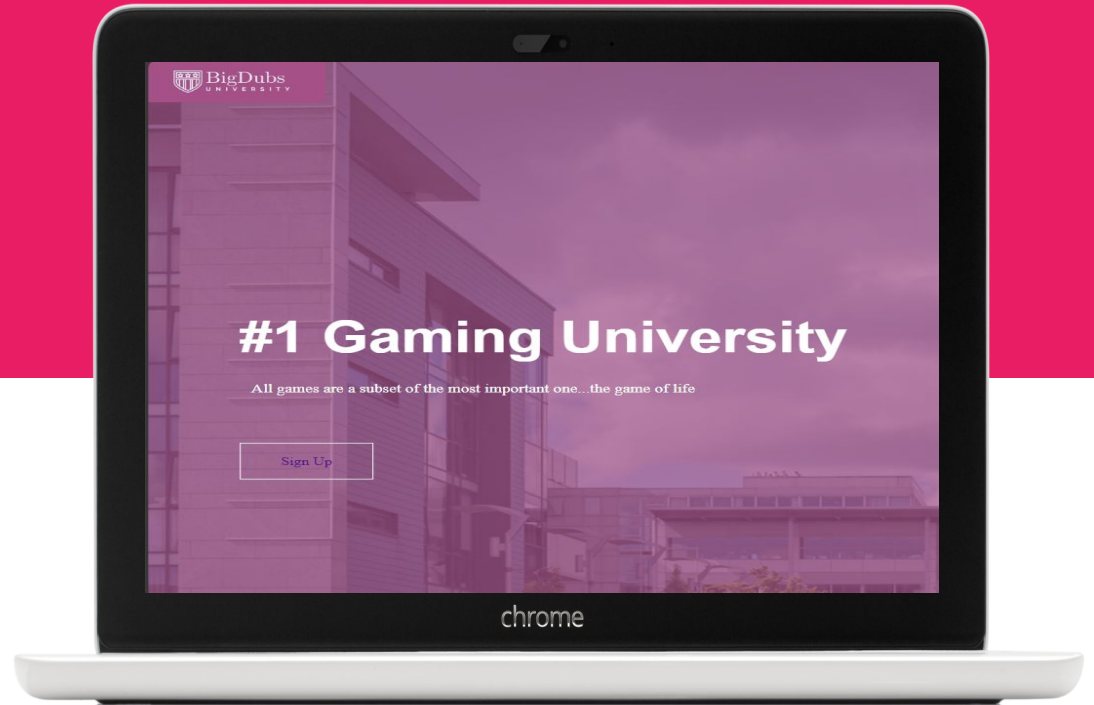# BigDubs University

By Clinton Ezeani
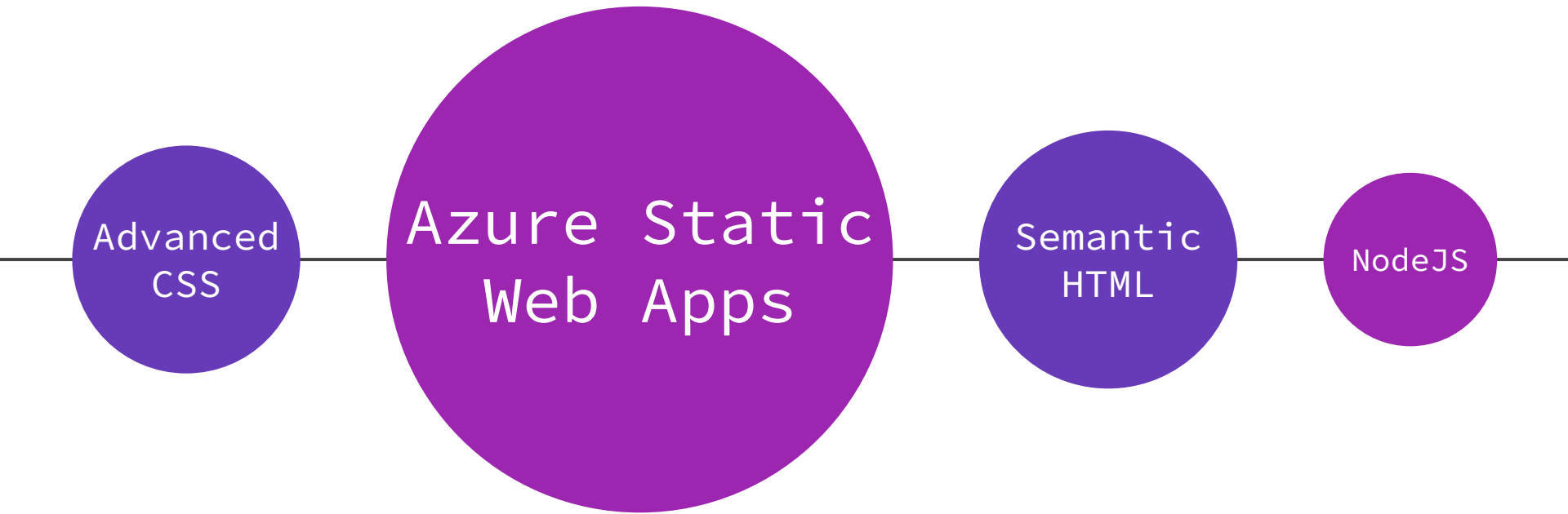
About

———

BigDubs University, founded by visionary Clinton Ezeani, is dedicated to equipping individuals with the skills needed to conquer the ultimate game: life.

At BigDubs, we transform life's challenges into engaging games, fostering active problem-solving and strategic decision-making through the principles of game theory.

This presentation highlights the development of our world-class website.

Development Tools and Technologies

Advanced CSS

Azure Static Web Apps

Semantic HTML

NodeJS

Semantic HTML and Accessibility

— — —

Using tags like
\<section>, \<article>,
\<role> and classes like
aria-label don't just
improve the search
engine optimization of
BigDubs' website, they
also improve
accessibility, allowing
users with disabilities
understand and navigate
easily.

```html
<title>Game Landing Page</title>
<link rel="stylesheet" href="styles.css">
<link href="https://fonts.googleapis.com/css2?family=Luckiest+Guy&display=swap" rel="stylesheet">
</head>
<body>
    <section class="header" role="banner">
        <nav role="navigation">
            <article id="logo" href="index.html"><img src="images/UChindy_new.png" alt="University logo"></article>
            <div class="menu">
                <ul>
                    <li><a href="" aria-label="Home">HOME</a></li>
                    <li><a href="#games" aria-label="Games">GAMES</a></li>
                    <li><a href="" aria-label="Contact">CONTACT</a></li>
                </ul>
            </div>
        </nav>          You, 22 hours ago • project files
        <div class="text-box">
            <h1>#1 Gaming University</h1>
            <p>All games are a subset of the most important one...the game of life</p>
            <a href="" class="hero-btn" aria-label="Sign up">Sign Up</a>
        </div>
    </section>
```

Filtering

— — —

The website includes
testimonials from
satisfied students. To
get through the noise
and find the reviews
you want, you can use
the search bar.

Testimonials

Search for testimonials...

"Bigdubs University changed my life! The gaming program is
top-notch."

- Alex from Accra

"I never thought I could learn so much about game development.
Amazing experience!"

- Jamie from Chicago

"The instructors are incredibly supportive and knowledgeable.
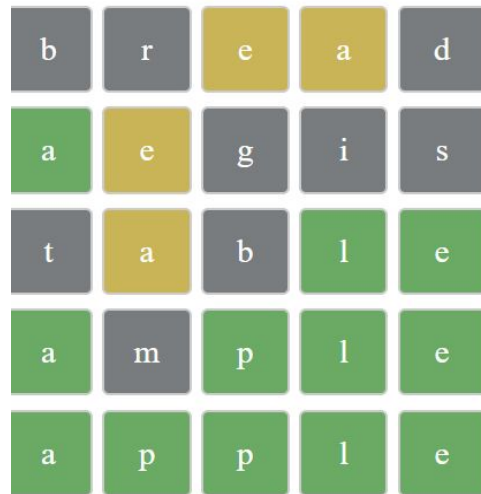Highly recommend!"

- Casey from Lagos

CI/CD

— — —

The website source code is stored in a GitHub repository, and we have an automated workflow that triggers upon each commit.

This workflow builds and deploys the website seamlessly on Azure Static Web Apps.

```
1    name: Azure Static Web Apps CI/CD
2
3    on:
4      push:
5        branches:
6          - main
7      pull_request:
8        types: [opened, synchronize, reopened, closed]
9        branches:
10         - main
11
12   jobs:
13     build_and_deploy_job:
14       if: github.event_name == 'push' || (github.event_name == 'pull_request' && github.event.action != 'closed')
15       runs-on: ubuntu-latest
16       name: Build and Deploy Job
17       steps:
18         - uses: actions/checkout@v3
19           with:
20             submodules: true
21             lfs: false
22         - name: Build And Deploy
23           id: builddeploy
24           uses: Azure/static-web-apps-deploy@v1
25             with:
```

WORDLE

b	r	e	a	d
a	e	g	i	s
t	a	b	l	e
a	m	p	l	e
a	p	p	l	e

APPLE   Guess →

SUDOKU

Easy (3x3)

	2	
3		
		1

Solve Easy Sudoku

Hard (9x9)

5	3			7				
6			1	9	5			

You can play these simple web based games, powered by javascript, right on the bigdubs website

Development Pains

- I will be using tailwind or another styling tool next time, writing this much CSS is not healthy.
- Accessibility could be improved so that users with disabilities can play the Wordle and Sudoku without worry.
- Deciding whether animations would be applied using classes or by using styles directly was also interesting.

Contact me for your next project

— — —

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