

SPORT

We appreciate your  
presence!

# WHAT'S CICSOFT?

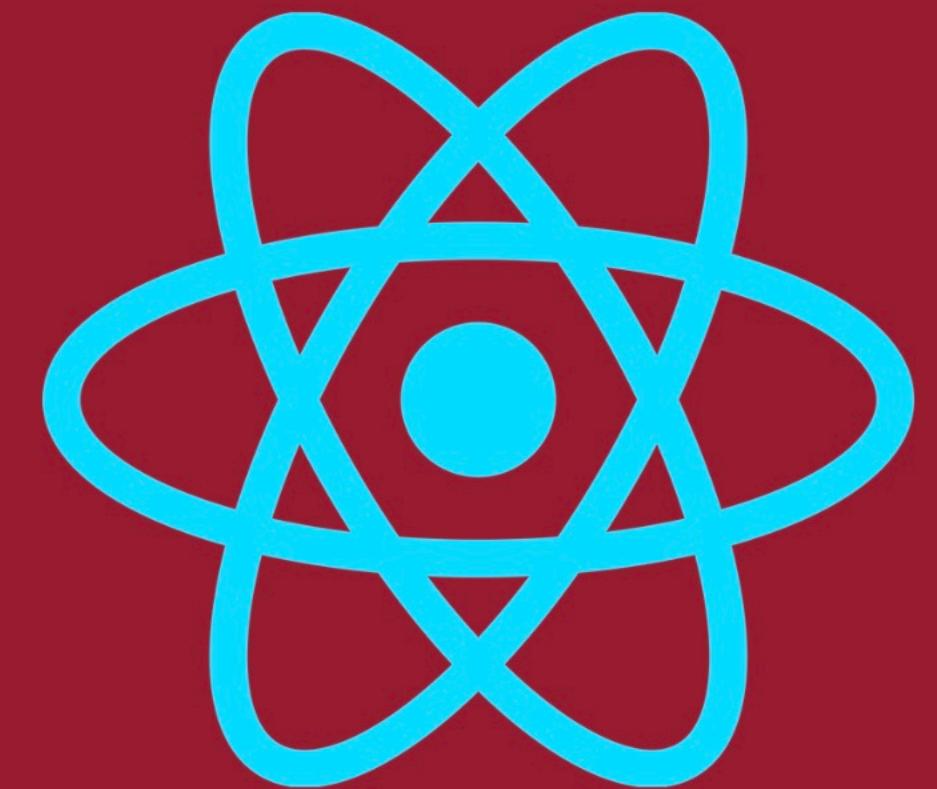
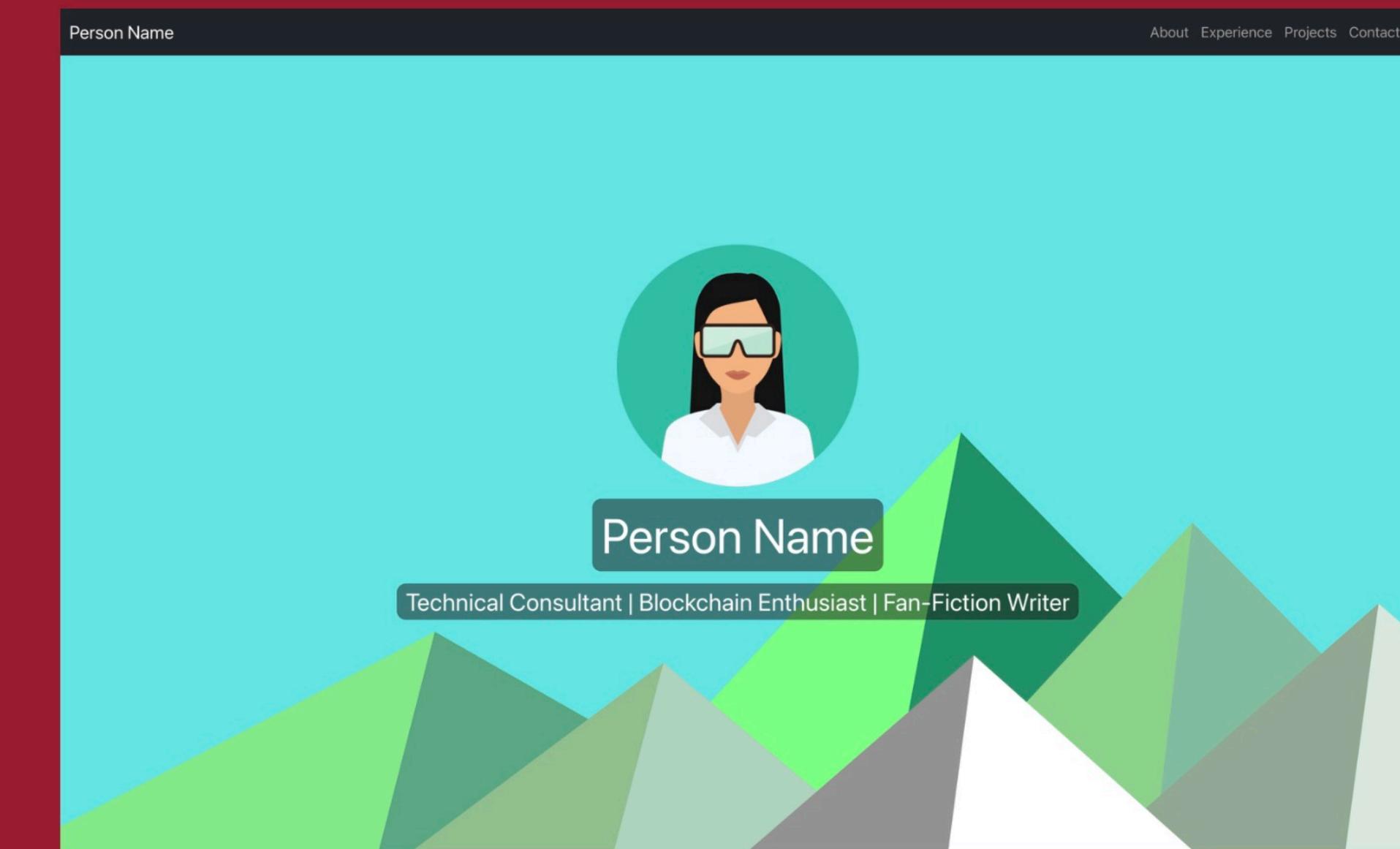
- Interest-oriented CICS organization
- Environment to enhance their technical skills
- Members learn developing applications

## WHY?

Our aim is to empower students by delivering the means to build incredible apps and realize their ideas through code.

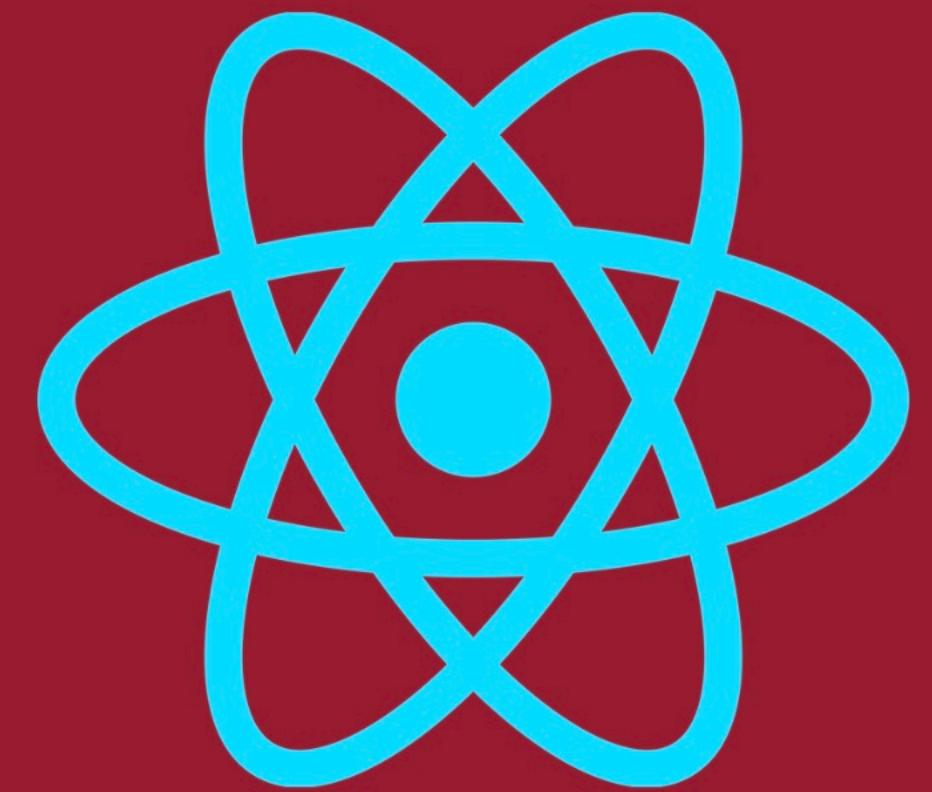
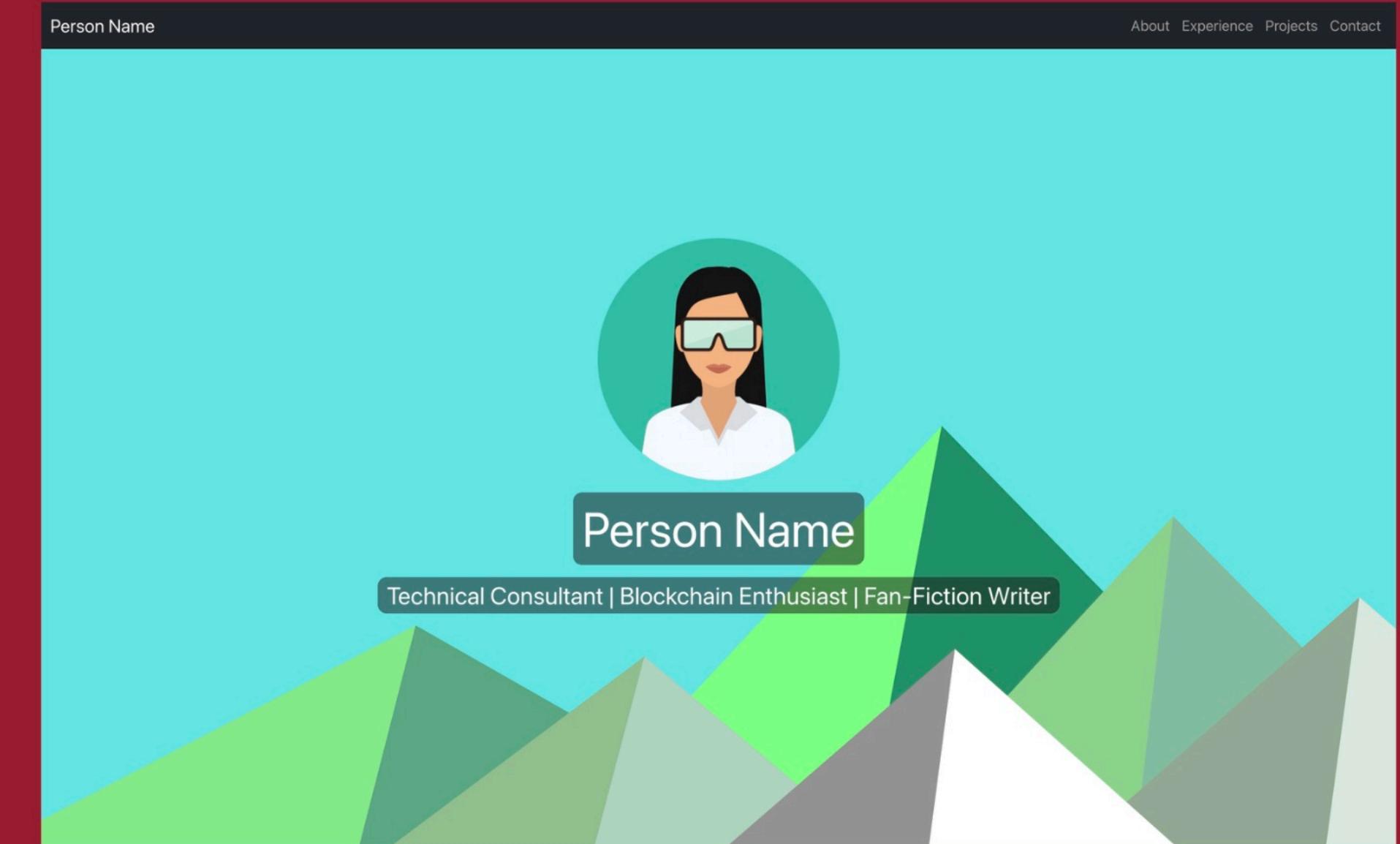
# LAST TIME

- Portfolio Website
  - Build navigation logic
  - Design more pages
  - Route between pages
- React:
  - Routing
  - Logic & Data Binding
  - Lifecycle & Hooks



# THIS TIME

- Portfolio Website
  - Theming - Lifecycle Concepts
  - Components - Cards
- React & GitHub:
  - Conditional Rendering
  - Lists and Keys



# PREREQ INSTALL

- What is needed?
  - Install font-awesome for logos



```
1 npm i @fortawesome/fontawesome-svg-core
2 npm i @fortawesome/free-solid-svg-icons
3 npm i @fortawesome/react-fontawesome
```

# FOLDER STRUCTURE

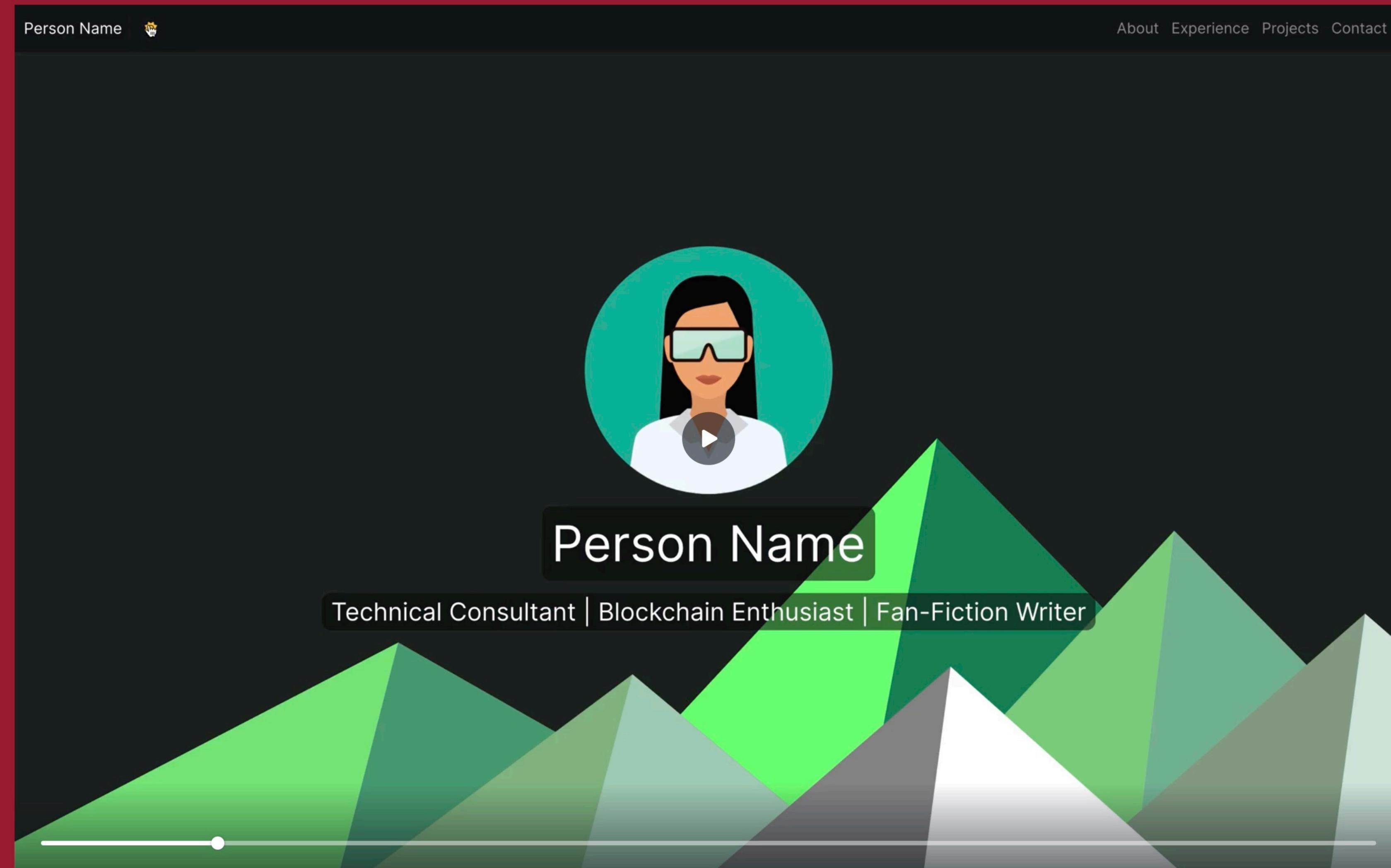
```
.  
├── package-lock.json  
├── package.json  
└── public  
    ├── index.html  
    ├── manifest.json  
    └── robots.txt  
src  
├── App.js  
├── ThemeContext.js ←  
├── assets  
│   └── avatar.png  
├── components  
│   ├── InfoCard  
│   │   ├── index.js  
│   │   └── index.module.css  
│   └── NavigationBar  
│       ├── index.js  
│       └── index.module.css  
└── data ←  
    ├── Experience.json  
    └── Projects.json  
index.css  
index.js  
pages  
├── About  
│   └── index.js  
├── Contact  
│   └── index.js  
├── Experience  
│   └── index.js  
├── Home  
│   └── index.js  
└── Projects  
    └── index.js  
routes.js  
  
13 directories, 24 files
```

THEMING ADDITION

CARD ADDITION

DATA ADDITION

# WHAT WILL WE BUIL:D



# THEMING

```
 1 import React, { createContext, useState, useEffect } from 'react';
 2
 3 export const ThemeContext = createContext({
 4   isDarkMode: false,
 5   toggleDarkMode: () => {},
 6 });
 7
 8 const ThemeProvider = ({ children }) => {
 9   const [isDarkMode, setIsDarkMode] = useState(false);
10
11   const toggleDarkMode = () => {
12     setIsDarkMode(!isDarkMode);
13     console.log('isDarkMode', isDarkMode);
14   };
15
16   useEffect(() => {
17     if (isDarkMode) {
18       document.body.classList.add('dark-mode');
19     } else {
20       document.body.classList.remove('dark-mode');
21     }
22   }, [isDarkMode]);
23
24   return (
25     <ThemeContext.Provider value={{ isDarkMode, toggleDarkMode }}>
26       {children}
27     </ThemeContext.Provider>
28   );
29 };
30
31 export default ThemeProvider;
32
```

# THEME CONTEXT

## THEMECONTEXT.JS

# APP INDEX

## INDEX.JS

```
● ● ●  
1 import React from 'react';
2 import ReactDOM from 'react-dom/client';
3 import { createHashRouter, RouterProvider } from 'react-router-dom';
4 import ThemeProvider from './ThemeContext';
5 import routes from './routes';
6
7 import './index.css';
8 import 'bootstrap/dist/css/bootstrap.min.css';
9
10 const root = ReactDOM.createRoot(document.getElementById('root'));
11 const router = createHashRouter(routes);
12
13 root.render(
14   <React.StrictMode>
15     <ThemeProvider>
16       <RouterProvider router={router} />
17     </ThemeProvider>
18   </React.StrictMode>
19 );
20
```

# APP INDEX STYLING

## INDEX.CSS

```
● ● ●  
1 @import url('https://fonts.googleapis.com/css2?family=Inter&display=swap');  
2  
3 :root {  
4   --bg-dark: #2e3532;  
5   --bg-light: #62e5e3;  
6   --text-dark: #badefc;  
7   --text-light: #2b50aa;  
8 }  
9  
10 body {  
11   margin: 0;  
12   font-family: 'Inter', sans-serif !important;  
13   -webkit-font-smoothing: antialiased;  
14   -moz-osx-font-smoothing: grayscale;  
15   background-color: var(--bg-light) !important;  
16   color: var(--text-light) !important;  
17 }  
18  
19 code {  
20   font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New',  
21   monospace;  
22 }  
23  
24 .dark-mode {  
25   background-color: var(--bg-dark) !important;  
26   color: var(--text-dark) !important;  
27 }  
28
```



```
1 import React, { useContext } from 'react';
2 import { Container, Nav, Navbar, ToggleButton } from 'react-bootstrap';
3 import { Link } from 'react-router-dom';
4 import { ThemeContext } from '../..//ThemeContext';
5 import { FontAwesomeIcon } from '@fortawesome/react-fontawesome';
6 import { faSun, faMoon } from '@fortawesome/free-solid-svg-icons';
7 import styles from './index.module.css';
8
9 const NavigationBar = () => {
10   const { isDarkMode, toggleDarkMode } = useContext(ThemeContext);
11   return (
12     <Navbar
13       bg={isDarkMode ? 'dark' : 'light'}
14       variant={isDarkMode ? 'dark' : 'light'}
15       fixed="top"
16       expand="lg"
17     >
18       <Container fluid>
19         <Navbar.Brand as={Link} to="/" className={styles.personName}>
20           Person Name
21         </Navbar.Brand>
22         <ToggleButton
23           type="switch"
24           variant={isDarkMode ? 'dark' : 'light'}
25           value={isDarkMode}
26           checked={isDarkMode}
27           onClick={() => toggleDarkMode()}
28         >
29           {isDarkMode ? (
30             <FontAwesomeIcon icon={faSun} style={{ color: '#FFD046' }} />
31           ) : (
32             <FontAwesomeIcon icon={faMoon} />
33           )
34         </ToggleButton>
```

# THEMING WITH NAVBAR

```
35   <Navbar.Toggle aria-controls="portfolio-navbar-nav" />
36   <Navbar.Collapse id="portfolio-navbar-nav">
37     <Nav className="ms-auto">
38       <Nav.Link as={Link} to="/about">
39         <span className={styles.navLinkSpan}>About</span>
40       </Nav.Link>
41       <Nav.Link as={Link} to="/experience">
42         <span className={styles.navLinkSpan}>Experience</span>
43       </Nav.Link>
44       <Nav.Link as={Link} to="/projects">
45         <span className={styles.navLinkSpan}>Projects</span>
46       </Nav.Link>
47       <Nav.Link as={Link} to="/contact">
48         <span className={styles.navLinkSpan}>Contact</span>
49       </Nav.Link>
50     </Nav>
51   </Navbar.Collapse>
52   </Container>
53 </Navbar>
54 );
55 };
56
57 export default NavigationBar;
58
```

# COMPONENT BUILDING

# PAGES MARKUP - #1

## PAGES/ABOUT/INDEX.JS

```
● ● ●
1 import React from 'react';
2 import { Container } from 'react-bootstrap';
3 import styles from '../page.module.css';
4
5 const About = () => {
6   return (
7     <Container fluid className={styles.container}>
8       <h1 className={styles.heading}>About</h1>
9       <p className={styles.paraText}>
10         Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Interdum varius sit amet mattis vulputate enim. Eget nulla facilisi etiam dignissim diam quis enim. Id aliquet risus feugiat in ante metus dictum at. Risus nullam eget felis eget nunc lobortis mattis. Sem viverra aliquet eget sit amet. Proin libero nunc consequat interdum varius sit amet mattis vulputate. Nunc vel risus commodo viverra maecenas accumsan lacus vel. Eu mi bibendum neque egestas congue quisque egestas. Lacus vel facilisis volutpat est velit egestas dui. Lobortis feugiat vivamus at augue.
11         <br/><br/>
12         Vel fringilla est ullamcorper eget nulla facilisi etiam. Sed elementum tempus egestas sed. Lorem donec massa sapien faucibus et molestie ac. Velit aliquet sagittis id consectetur purus ut faucibus pulvinar. Aliquet eget sit amet tellus cras. In fermentum posuere urna nec tincidunt praesent semper. In metus vulputate eu scelerisque felis imperdiet proin fermentum leo. Adipiscing enim eu turpis egestas pretium. Blandit volutpat maecenas volutpat blandit aliquam etiam erat velit scelerisque. Ullamcorper eget nulla facilisi etiam. Dictum sit amet justo donec enim. Dictum sit amet justo donec enim diam vulputate ut. Iaculis urna id volutpat lacus. Vestibulum lectus mauris ultrices eros. Donec massa sapien faucibus et molestie ac feugiat sed lectus. Enim praesent elementum facilisis leo vel fringilla. Nec feugiat nisl pretium fusce id velit ut. Purus faucibus ornare suspendisse sed.
13         </p>
14       </Container>
15     );
16   };
17
18   export default About;
19 
```

# PAGES MARKUP - #2

## PAGES/CONTACT/INDEX.JS

```
● ● ●  
1 import React from 'react';
2 import { Container } from 'react-bootstrap';
3 import styles from '../page.module.css';
4
5 const Contact = () => {
6   return (
7     <Container fluid className={styles.container}>
8       <h1 className={styles.heading}>Contact</h1>
9       <p className={styles.paraText}>
10         Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Interdum varius sit amet mattis vulputate enim. Eget nulla facilisi etiam dignissim diam quis enim. Id aliquet risus feugiat in ante metus dictum at. Risus nullam eget felis eget nunc lobortis mattis. Sem viverra aliquet eget sit amet. Proin libero nunc consequat interdum varius sit amet mattis vulputate. Nunc vel risus commodo viverra maecenas accumsan lacus vel. Eu mi bibendum neque egestas congue quisque egestas. Lacus vel facilisis volutpat est velit egestas dui. Lobortis feugiat vivamus at augue.
11       </p>
12     </Container>
13   );
14 };
15
16 export default Contact;
17
18
19
20
21
22
```

# PAGES MARKUP - #3

## PAGES/EXPERIENCE/INDEX.JS

```
● ● ●  
1 import React from 'react';  
2 import { Container, Row } from 'react-bootstrap';  
3 import styles from '../page.module.css';  
4  
5 import experienceData from '../../data/Experience.json';  
6 import InfoCard from '../../components/InfoCard';  
7  
8 const Experience = () => {  
9   return (  
10     <Container fluid className={styles.container}>  
11       <h1 className={styles.heading}>Experience</h1>  
12       <Container fluid>  
13         <Row className={styles.cardrow}>  
14           {experienceData.map((item) => {  
15             return (  
16               <InfoCard  
17                 key={item._id}  
18                 title={item.title}  
19                 description={item.description}  
20               ></InfoCard>  
21             );  
22           })}  
23         </Row>  
24       </Container>  
25     </Container>  
26   );  
27 };  
28  
29 export default Experience;  
30
```

## PAGES/PROJECTS/INDEX.JS

```
● ● ●  
1 import React from 'react';  
2 import { Container, Row } from 'react-bootstrap';  
3 import styles from '../page.module.css';  
4  
5 import projectData from '../../data/Projects.json';  
6 import InfoCard from '../../components/InfoCard';  
7  
8 const Projects = () => {  
9   return (  
10     <Container fluid className={styles.container}>  
11       <h1 className={styles.heading}>Projects</h1>  
12       <Container fluid>  
13         <Row className={styles.cardrow}>  
14           {projectData.map((item) => {  
15             return (  
16               <InfoCard  
17                 key={item._id}  
18                 title={item.title}  
19                 description={item.description}  
20               ></InfoCard>  
21             );  
22           })}  
23         </Row>  
24       </Container>  
25     </Container>  
26   );  
27 };  
28  
29 export default Projects;  
30
```

```
● ● ●  
1 import React, { useContext } from 'react';
2 import { Card } from 'react-bootstrap';
3 import { ThemeContext } from '../../ThemeContext';
4
5 const InfoCard = (props) => {
6   const { isDarkMode } = useContext(ThemeContext);
7
8   return (
9     <Card
10       key={props.key}
11       style={{ width: '18rem', padding: '1rem', margin: '1rem' }}
12       bg={isDarkMode ? 'dark' : 'light'}
13       text={isDarkMode ? 'light' : 'dark'}
14     >
15       <Card.Body>
16         <Card.Title>{props.title}</Card.Title>
17         <Card.Text>{props.description}</Card.Text>
18       </Card.Body>
19     </Card>
20   );
21 };
22
23 export default InfoCard;
24
```

# CARD MARKUP

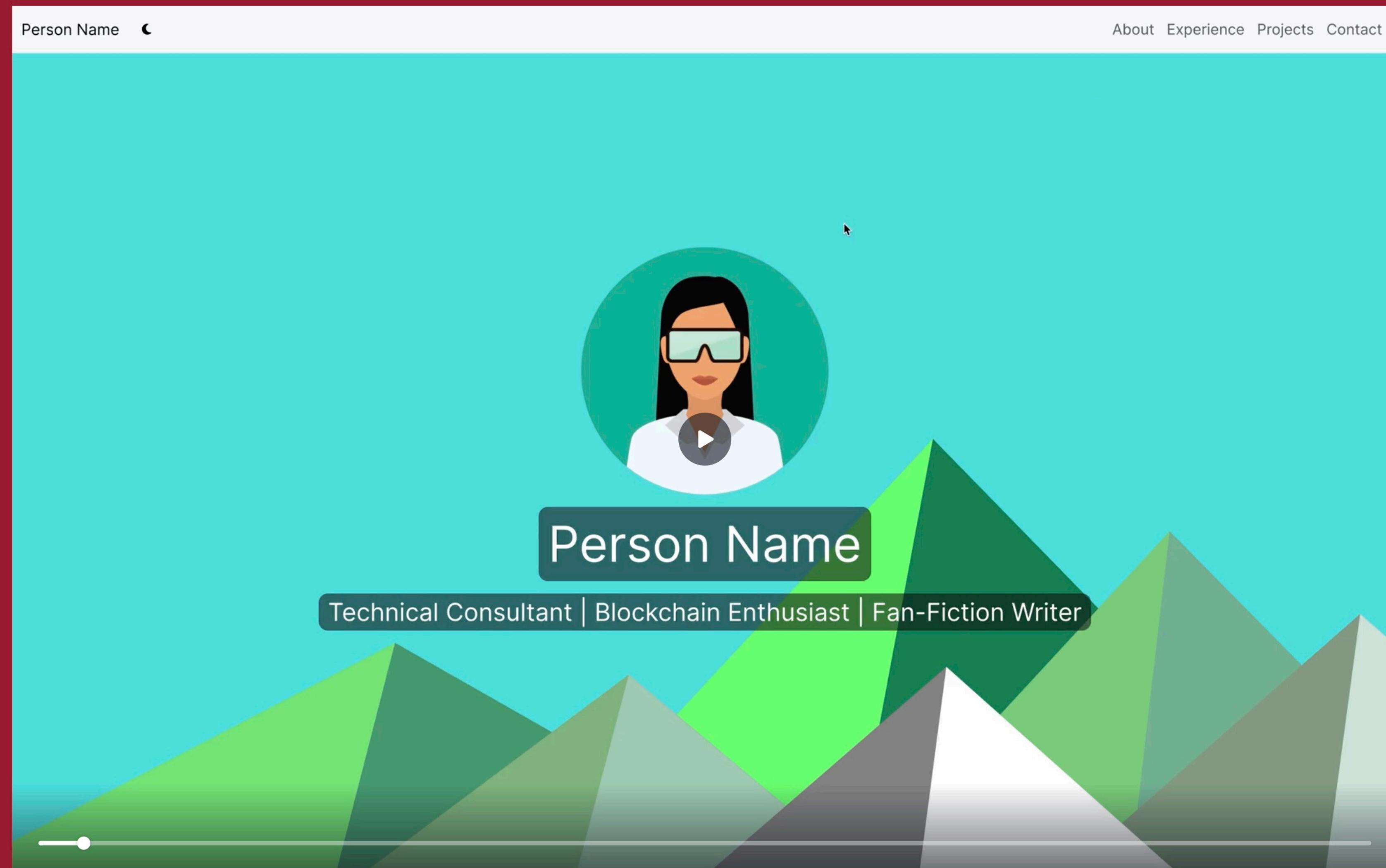
# EXAMPLE CARD DATA

```
● ● ●  
1  {  
2    "_id": "184b6fac-db68-43de-9745-f75e17794945",  
3    "title": "Web Designer I",  
4    "description": "Insertion of Infusion Dev into Spinal Canal, Open Approach"  
5  },  
6  {  
7    "_id": "6d8a3287-4299-479a-a3c6-f5f64c673879",  
8    "title": "Human Resources Assistant II",  
9    "description": "Beam Radiation of Brain using Photons <1 MeV"  
10   },
```

```
1 .heading {  
2   font-weight: 900;  
3   font-size: 8em;  
4 }  
5  
6 .container {  
7   display: flex;  
8   flex-direction: column;  
9   height: 100vh;  
10  width: 100vw;  
11  justify-content: center;  
12  align-items: center;  
13 }  
14  
15 .cardrow {  
16   display: flex;  
17   flex-direction: row;  
18   justify-content: center;  
19   align-items: center;  
20   text-align: center;  
21 }  
22  
23 .paraText {  
24   font-size: 1.5em;  
25   font-weight: 300;  
26   margin: 3.5rem;  
27 }
```

# PAGES STYLING

# THAT'S IT!



Thank you for joining  
us today!