**Final Project: Online Resume**

**Course: CNE430 Cloud Architecture**

**Quarter: Fall 2024**

**Student: Tyler Subin, Abiyu Gebremeskel, Van Vuong**

**Instructor: Christin Sutton**

**Table of Contents**

[I. Project Overview 3](#_Toc182133091)

[II. Project Scope of Work 4](#_Toc182133092)

[III. How to Build a Static Online Resume Website on S3 5](#_Toc182133093)

[IV. How to Configure Route53 as a DNS Service for Domain Name: “vtcom.vn”. 6](#_Toc182133094)

[V. Create TLS/SSL Certificate using AWS Certificate Manager. 7](#_Toc182133095)

[VI. Distribute the website by using CloudFront Distribution. 8](#_Toc182133096)

# Project Overview

In this project, CAN IT Consulting builds and hosts an interactive resume for XYZ Company on a secure web server using a range of AWS services. Specifically, it will utilize S3, Route 53, CloudFront, and ACM to provide scalability, security, and reliability.

# Project Scope of Work

**Scope of Work:**

* Creating a branch of the main repository code file (debug.py) on GitHub, including granting the write privileges to CNA IT Consulting, debugging code, and conducting QA on Pull Request from GitHub.
* Create project management on Jira and conduct scrum meetings twice weekly on Monday and Thursday.
* Building budget for all AWS resources for this project.
* Build a static Online Resume Website on S3. This website has 4 pages
  + Main page: introduction.
  + Page 1: Tyler Sabin’s Resume.
  + Page 2: Abiyu Gebremeskel’s Resume.
  + Page 3: Van Vuong’s Resume.
* Configure Route53 as a DNS Service for Domain Name: “vtcom.vn”.
* Create TLS/SSL Certificate using AWS Certificate Manager.
* Distribute the website by using CloudFront Distribution.
* CNA IT Consulting Push final commit to conclude the project.

# How to Build a Static Online Resume Website on S3

**Prerequisites:**

AWS Account: Ensure you have an active AWS account.

Domain Name: Acquire a domain name (you can register one on AWS Route 53 or use an external provider).

Website Files: Prepare your static HTML, CSS, and JavaScript files for the resume website.

**Default Resume Home Page HTML File (index.html):**

This HTML file outlines the structure of the "Online Resume Hub" page. It includes a header welcoming users, an introduction section explaining the project, and a technical overview describing how the project uses AWS services like S3, Route 53, CloudFront, and ACM. The file also contains a navigation section with links to individual resumes for John, Alex, and Ryan.

<!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1.0">  
 <title>Online Resume Hub</title>  
 <link rel="stylesheet" href="styles.css">  
</head>  
<body>  
 <header>  
 <h1>Welcome to the Online Resume Hub</h1>  
 </header>  
  
 <section id="introduction">  
 <h2>About This Project</h2>  
 <p>This hub showcases professional resumes for talented individuals. Click on a name below to view their resume and learn more about their skills and experience.</p>  
  
 <h2>Technical Overview</h2>  
 <p>This project leverages Amazon Web Services (AWS) to host the online resume hub with a focus on scalability, security, and reliability. The setup utilizes:</p>  
 <ul class="no-bullets">  
 <li><strong>Amazon S3</strong> for static website hosting</li>  
 <li><strong>Route 53</strong> for DNS management</li>  
 <li><strong>CloudFront</strong> for content delivery and caching</li>  
 <li><strong>AWS Certificate Manager (ACM)</strong> for SSL/TLS encryption</li>  
 </ul>  
 <p>This combination ensures resumes are securely accessible and optimized for fast loading across the globe, demonstrating best practices for hosting static websites on AWS.</p>  
 </section>  
  
 <nav>  
 <ul>  
 <li><a href="/john/john\_doe.html" target="\_blank">John Doe</a></li>  
 <li><a href="/alex/alex\_johnson.html" target="\_blank">Alex Johnson</a></li>  
 <li><a href="/ryan/ryan\_miller.html" target="\_blank">Ryan Miller</a></li>  
 </ul>  
 </nav>  
  
 <script src="script.js"></script>  
</body>  
</html>

**JavaScript File (script.js):**

This JavaScript file triggers a welcome alert when the page is loaded, greeting visitors and prompting them to click on a name to view the respective resume.

A close up of a message

Description automatically generated

**CSS File (styles.css):**

This file styles the website with a clean design, using a gradient background and flexible layouts. It also customizes the navigation links with hover effects and adds spacing between sections for better readability.

/\* Reset default styling \*/  
\* {  
 margin: 0;  
 padding: 0;  
 box-sizing: border-box;  
}  
  
body {  
 font-family: Arial, sans-serif;  
 background: linear-gradient(135deg, #e2e8f0, #f4f4f9);  
 color: #333;  
 display: flex;  
 flex-direction: column;  
 align-items: center;  
 padding: 20px;  
}  
  
header {  
 text-align: center;  
 margin-bottom: 20px;  
}  
  
header h1 {  
 font-size: 2.5em;  
 color: #3b82f6;  
}  
  
/\* Section spacing \*/  
section {  
 margin-bottom: 30px; /\* Adds space between sections \*/  
}  
  
/\* Paragraph spacing \*/  
p {  
 margin-bottom: 15px; /\* Adds space between paragraphs \*/  
}  
  
#introduction {  
 text-align: center;  
 font-size: 1.1em;  
 color: #475569;  
}  
  
/\* Remove bullets from specific lists \*/  
.no-bullets {  
 list-style-type: none;  
 padding: 0;  
}  
  
nav ul {  
 list-style-type: none;  
 display: flex;  
 gap: 20px;  
}  
  
nav a {  
 display: block;  
 padding: 10px 20px;  
 font-size: 1.5em;  
 color: #3b82f6;  
 background-color: #ffffff;  
 border-radius: 8px;  
 text-decoration: none;  
 transition: transform 0.2s ease, box-shadow 0.2s ease;  
 box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);  
}  
  
nav a:hover {  
 color: #2563eb;  
 transform: translateY(-5px);  
 box-shadow: 0 8px 12px rgba(0, 0, 0, 0.2);  
}

**Create Website Files for Alex, John, Ryan:**

Ensure you have all your static website files, including index.html, styles.css, script.js ready for upload.

**Alex's Website Files**

**HTML File (index.html):**

Modify the structure and content of Alex's resume. Such as, professional summary, technical skills, education, professional experiences, projects, and personal information like LinkedIn and GitHub links.

<!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1.0">  
 <title>Alex's Resume</title>  
 <link rel="stylesheet" href="styles.css">  
</head>  
<body>  
 <div class="container">  
 <!-- Sidebar for Quick Navigation -->  
 <aside class="sidebar">  
 <header>  
 <h1>Alex Johnson</h1>  
 <p>Renton, WA</p>  
 <p><a href="mailto:alex.johnson@email.com">alex.johnson@email.com</a></p>  
 <p><a href="https://linkedin.com/in/2323alex-johnson" target="\_blank">LinkedIn</a> | <a href="https://github.com/2323alexjohnson" target="\_blank">GitHub</a></p>  
 </header>  
 <nav>  
 <ul>  
 <li><a href="#summary">Professional Summary</a></li>  
 <li><a href="#skills">Technical Skills</a></li>  
 <li><a href="#education">Education</a></li>  
 <li><a href="#experience">Experience</a></li>  
 <li><a href="#projects">Projects</a></li>  
 </ul>  
 </nav>  
 </aside>  
  
 <!-- Main Content Area -->  
 <main class="content">  
 <section id="summary" class="card">  
 <h2>Professional Summary</h2>  
 <p>Detail-oriented IT professional with a strong background in cloud infrastructure, network engineering, and systems administration. Proven expertise in implementing and managing AWS-based solutions and skilled in both software and network troubleshooting. Currently pursuing a Bachelor of Applied Science in Computer Network Engineering, demonstrating a commitment to continuous learning and technical proficiency.</p>  
 </section>  
  
 <section id="skills" class="card">  
 <h2>Technical Skills</h2>  
 <ul>  
 <li><strong>Cloud Platforms:</strong> AWS (S3, EC2, Route 53, CloudFront, IAM)</li>  
 <li><strong>Networking:</strong> DNS, DHCP, TCP/IP, Network Security, VPN</li>  
 <li><strong>Languages:</strong> Python, Bash, SQL</li>  
 <li><strong>Tools & Software:</strong> GitHub, Jira, Linux, Docker</li>  
 <li><strong>Certifications:</strong> AWS Cloud Practitioner, CompTIA Linux+</li>  
 </ul>  
 </section>  
  
 <section id="education" class="card">  
 <h2>Education</h2>  
 <div>  
 <h3>Bachelor of Applied Science in Computer Network Engineering</h3>  
 <p>Renton Technical College | Expected Graduation: 2025</p>  
 </div>  
 <div>  
 <h3>Associate of Applied Science - Transfer in Cloud Network Technology</h3>  
 <p>Renton Technical College | 2022</p>  
 </div>  
 </section>  
  
 <section id="experience" class="card">  
 <h2>Professional Experience</h2>  
 <div class="job">  
 <h3>Network Intern</h3>  
 <p>ABC Solutions, Kent, WA | Jan 2024 – Present</p>  
 <ul>  
 <li>Assisted in configuring and monitoring network systems, troubleshooting connectivity issues to ensure optimal performance.</li>  
 <li>Implemented AWS infrastructure solutions for testing environments, including setting up EC2 instances and configuring S3 buckets.</li>  
 <li>Collaborated with team to develop documentation and support materials for network configurations and AWS solutions.</li>  
 </ul>  
 </div>  
 <div class="job">  
 <h3>IT Support Technician</h3>  
 <p>XYZ Tech, Renton< WA | Jun 2022 – Dec 2023</p>  
 <ul>  
 <li>Provided technical support for a range of software and hardware issues, ensuring a high level of customer satisfaction.</li>  
 <li>Automated routine processes using Python scripts, reducing time spent on manual tasks by 30%.</li>  
 <li>Configured routers, switches, and firewalls to enhance network security and reliability.</li>  
 </ul>  
 </div>  
 </section>  
  
 <section id="projects" class="card">  
 <h2>Projects</h2>  
 <div class="project">  
 <h3>Online Resume Website</h3>  
 <p>Developed a static resume website hosted on AWS S3, configured with Route 53 for DNS, CloudFront for content delivery, and secured using AWS Certificate Manager (ACM).</p>  
 <p>Created and managed a GitHub repository with all configuration files and documentation, enabling easy deployment and collaboration.</p>  
 </div>  
 <div class="project">  
 <h3>Network Automation with Python</h3>  
 <p>Designed Python scripts to automate network monitoring and troubleshooting tasks, reducing the need for manual interventions and improving response times.</p>  
 </div>  
 </section>  
 </main>  
 </div>  
  
 <script src="script.js"></script>  
</body>  
</html>

**JavaScript File (script.js):**

Customize interactive features like expand/collapse for sections. Add new dynamic elements tailored to Alex's website.

// Wait for the DOM to load before adding event listeners  
document.addEventListener("DOMContentLoaded", () => {  
 // Select all sections to add expand/collapse functionality  
 const sections = document.querySelectorAll("section");  
  
 sections.forEach(section => {  
 // Add a "clickable" cursor and event listener to each section heading (h2)  
 const header = section.querySelector("h2");  
 header.style.cursor = "pointer";  
  
 // Set up a click event listener to toggle visibility of section content  
 header.addEventListener("click", () => {  
 // Toggle visibility of each child element (e.g., paragraphs, lists) within the section  
 const content = section.querySelectorAll("p, ul, div");  
 content.forEach(element => {  
 // Switch between displaying and hiding each content element  
 element.style.display = element.style.display === "none" ? "block" : "none";  
 });  
  
 // Optionally, toggle the arrow symbol on the header to indicate open/close state  
 if (header.textContent.endsWith("▼")) {  
 header.textContent = header.textContent.replace("▼", "▲");  
 } else {  
 header.textContent += " ▼";  
 }  
 });  
  
 // Initially collapse all sections except the first (optional)  
 if (section !== sections[0]) {  
 const content = section.querySelectorAll("p, ul, div");  
 content.forEach(element => {  
 element.style.display = "none";  
 });  
 header.textContent += " ▼"; // Add down arrow to collapsed sections  
 }  
 });  
});

**CSS File (styles.css):**

Adjust visual styles like colors, fonts, and layout spacing to enhance Alex's website design.

/\* General Reset \*/  
\* {  
 margin: 0;  
 padding: 0;  
 box-sizing: border-box;  
}  
  
body {  
 font-family: Arial, sans-serif;  
 background-color: #f4f4f9;  
 color: #333;  
 line-height: 1.6;  
 padding: 20px;  
}  
  
header {  
 text-align: center;  
 margin-bottom: 20px;  
}  
  
header h1 {  
 font-size: 2em;  
 color: #444;  
}  
  
header p {  
 margin-top: 10px;  
 color: #555;  
}  
  
section {  
 margin: 20px 0;  
}  
  
h2 {  
 color: blue;  
 border-bottom: 2px solid #e4e4e4;  
 padding-bottom: 5px;  
 margin-bottom: 10px;  
}  
  
.job h3, .project h3 {  
 font-size: 1.2em;  
 color: #333;  
}  
  
.job p, .project p {  
 font-style: italic;  
 color: #666;  
 margin-top: 5px;  
}  
  
ul {  
 margin: 10px 0 10px 20px;  
}  
  
ul li {  
 margin-bottom: 5px;  
}  
  
a {  
 color: #009688;  
 text-decoration: none;  
}  
  
a:hover {  
 text-decoration: underline;  
}

**John's Website Files**

**HTML File (index.html):**

Update John’s resume content, including contact details, education, skills, and work experience.

<!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1.0">  
 <title>John Doe - Resume</title>  
 <link rel="stylesheet" href="styles.css">  
</head>  
<body>  
 <header>  
 <h1>John Doe</h1>  
 <p>Renton, WA | <a href="mailto:johndoe@google.com">johndoe@google.com</a></p>  
 <p><a href="https://linkedin.com/in/doe-john" target="\_blank">LinkedIn</a> | <a href="https://github.com/johndoe" target="\_blank">GitHub</a></p>  
 </header>  
  
 <section id="education">  
 <h2>Education</h2>  
 <p>Bachelor of Applied Science in Computer Network Engineering (Expected Graduation Date: June 2025)</p>  
 <p>GPA: 4.0</p>  
 <p>Scholarships: College’s Foundations Scholarship</p>  
 </section>  
  
 <section id="skills">  
 <h2>Skills</h2>  
 <ul>  
 <li><strong>Development & Version Control:</strong> Jira, Agile, Git, GitHub, Docker, GitHub Repositories</li>  
 <li><strong>Cloud Computing & Platforms:</strong> AWS, Azure, GCP, Lambda</li>  
 <li><strong>Networking & Systems:</strong> VirtualBox, Packet Tracer, Linux, Ubuntu, SSH, Cisco Networking Basics Badge</li>  
 <li><strong>Databases:</strong> SQL Database Analysis/Collection</li>  
 <li><strong>Programming Languages & Automation:</strong> Python, BASH, PHP, SQL, Powershell</li>  
 <li><strong>Web Development:</strong> WordPress, Nginx, AI</li>  
 <li><strong>Operating Systems:</strong> Windows, Linux, Android, iOS</li>  
 <li><strong>Security & SSL:</strong> SSL</li>  
 <li><strong>PC Customization & Solutions:</strong> Deploying PCs and networks in home/small office environments, network solutions, training, sales</li>  
 <li><strong>Other Tools:</strong> Genesys CLI, AS/400 CLI, Markdown</li>  
 <li><strong>Office Productivity:</strong> MS Office/Office 365</li>  
 </ul>  
 </section>  
  
 <section id="experience">  
 <h2>Experience</h2>  
  
 <h3>Company Name #1, Owner</h3>  
 <p>November 2019 – June 2023</p>  
 <ul>  
 <li>Assisted home and small office computer networks, reducing customer costs by 25%</li>  
 <li>Set up and maintained networks for LAN events (up to 12 computers), reducing setup time by 5%</li>  
 <li>Provided clients with instruction/training manuals and technical documentation, reducing training costs by 10%</li>  
 </ul>  
  
 <h3>Company Name #2, Vehicle Inspector</h3>  
 <p>September 2017 – October 2019</p>  
 <ul>  
 <li>Conducted vehicle inspections and handled initial reports and disputes, saving over $100,000 annually</li>  
 <li>Leveraged CLI tools to insert and update 3,000+ rows in the vehicle database, improving SQL data accuracy by 10%</li>  
 <li>Provided critical data to the vehicle database used by the state’s largest auction, processing over 5M cars annually</li>  
 </ul>  
  
 <h3>Company Name #3, Inside Associate</h3>  
 <p>October 2015 – October 2016</p>  
 <ul>  
 <li>Improved inventory location, organization, and accuracy by 10%</li>  
 <li>Increased sales of wood-free products by 5% and provided technical customer support</li>  
 </ul>  
  
 <h3>Company Name #4, Demonstrator</h3>  
 <p>February 2015 – September 2015</p>  
 <ul>  
 <li>Won first place in company’s national stick vacuum registered warranty competition</li>  
 <li>Increased company customer warranty registrations by 10% and answered technical customer queries</li>  
 </ul>  
  
 <h3>Company Name #5, Associate</h3>  
 <p>June 2013 – June 2014</p>  
 <ul>  
 <li>Improved inventory location, organization, and accuracy by 5%</li>  
 <li>Received customer satisfaction and service awards while enhancing customer appliance knowledge by 5%</li>  
 <li>Boosted appliance warranty sales by 5% and answered technical customer questions</li>  
 </ul>  
  
 <h3>Company Name #6, Owner</h3>  
 <p>May 2010 – April 2013</p>  
 <ul>  
 <li>Hired and trained 2 staff members, funded training/technical manuals, reducing costs by 5%</li>  
 <li>Wrote NDAs, set budgets, raised funds, and organized meetings, improving company efficiency by 5%</li>  
 <li>Coordinated visual graphics personnel with programming teams to improve cross-department communication by 5%</li>  
 </ul>  
  
 <h3>Company Name #7, Body Team Leader/Research Assistant</h3>  
 <p>September 2007 – April 2010</p>  
 <ul>  
 <li>Trained and led 20 students in end-to-end carbon fiber production, contributing to the successful completion of projects</li>  
 <li>Raised $2,500 and recruited 4 new members to enhance program awareness</li>  
 <li>Created training manuals and technical documentation for 30 students, reducing training and part production time by 50%</li>  
 </ul>  
  
</section>  
  
<br><br>   
   
 <footer>  
 <p>&copy; 2024 John Doe</p>  
 </footer>  
  
 <script src="scripts.js"></script>  
</body>  
</html>

**JavaScript File (script.js)**

The script provided controls the visibility of the "Education" section on your website. When the section is clicked.

// Example of a simple script to toggle visibility of a section  
document.addEventListener('DOMContentLoaded', function() {  
 const educationSection = document.getElementById('education');  
 educationSection.addEventListener('click', function() {  
 educationSection.style.display = educationSection.style.display === 'none' ? 'block' : 'none';  
 });  
});

**CSS File (styles.css)**

The CSS file styles John’s resume, handling layout, colors, fonts, and spacing to create a visually appealing presentation.

body {  
 font-family: Arial, sans-serif;  
 margin: 0;  
 padding: 0;  
 background-color: #f4f4f4;  
}  
  
header {  
 background-color: #333;  
 color: white;  
 padding: 20px;  
 text-align: center;  
}  
  
header h1 {  
 margin: 0;  
}  
  
header p a {  
 color: #66c2ff;  
 text-decoration: none;  
}  
  
header p a:hover {  
 text-decoration: underline;  
}  
  
section {  
 padding: 20px;  
 margin: 20px;  
 background-color: white;  
 border-radius: 8px;  
 box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
}  
  
h2 {  
 color: #333;  
}  
  
ul {  
 list-style-type: none;  
 padding-left: 0;  
}  
  
ul li {  
 margin-bottom: 8px;  
}  
  
footer {  
 background-color: #333;  
 color: white;  
 text-align: center;  
 padding: 10px;  
 position: fixed;  
 width: 100%;  
 bottom: 0;  
}

**Ryan’s Website Files**

**HTML File (index.html)**

Ryan’s HTML file sets up the basic structure of his resume, with sections like About Me, Professional Experience, Skills, and Education. It links to an external CSS file for styling.

<!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1.0">  
 <title>Online Resume Hub</title>  
 <link rel="stylesheet" href="styles.css">  
</head>  
<body>  
 <header>  
 <h1>Welcome to the Online Resume Hub</h1>  
 </header>  
  
 <section id="introduction">  
 <h2>About This Project</h2>  
 <p>This hub showcases professional resumes for talented individuals. Click on a name below to view their resume and learn more about their skills and experience.</p>  
   
 <h2>Technical Overview</h2>  
 <p>This project leverages Amazon Web Services (AWS) to host the online resume hub with a focus on scalability, security, and reliability. The setup utilizes:</p>  
 <ul class="no-bullets">  
 <li><strong>Amazon S3</strong> for static website hosting</li>  
 <li><strong>Route 53</strong> for DNS management</li>  
 <li><strong>CloudFront</strong> for content delivery and caching</li>  
 <li><strong>AWS Certificate Manager (ACM)</strong> for SSL/TLS encryption</li>  
 </ul>  
 <p>This combination ensures resumes are securely accessible and optimized for fast loading across the globe, demonstrating best practices for hosting static websites on AWS.</p>  
 </section>  
  
 <nav>  
 <ul>  
 <li><a href="/john/john\_doe.html" target="\_blank">John Doe</a></li>  
 <li><a href="/alex/alex\_johnson.html" target="\_blank">Alex Johnson</a></li>  
 <li><a href="/ryan/ryan\_miller.html" target="\_blank">Ryan Miller</a></li>  
 </ul>  
 </nav>  
  
 <script src="script.js"></script>  
</body>  
</html>

**JavaScript File (script.js)**

This JavaScript file adds an alert when the page loads, welcoming visitors to the resume hub. It serves as a simple interactive element for the user.

// Display a welcome alert when the page loads  
document.addEventListener("DOMContentLoaded", function() {  
 alert("Welcome to the Online Resume Hub! Click on a name to view their resume.");  
});

**CSS File (styles.css)**

The CSS file styles Ryan’s resume, giving it a clean, modern look with easy-to-read sections and a professional color scheme.

/\* Reset default styling \*/  
\* {  
 margin: 0;  
 padding: 0;  
 box-sizing: border-box;  
}  
  
body {  
 font-family: Arial, sans-serif;  
 background: linear-gradient(135deg, #e2e8f0, #f4f4f9);  
 color: #333;  
 display: flex;  
 flex-direction: column;  
 align-items: center;  
 padding: 20px;  
}  
  
header {  
 text-align: center;  
 margin-bottom: 20px;  
}  
  
header h1 {  
 font-size: 2.5em;  
 color: #3b82f6;  
}  
  
/\* Section spacing \*/  
section {  
 margin-bottom: 30px; /\* Adds space between sections \*/  
}  
  
/\* Paragraph spacing \*/  
p {  
 margin-bottom: 15px; /\* Adds space between paragraphs \*/  
}  
  
#introduction {  
 text-align: center;  
 font-size: 1.1em;  
 color: #475569;  
}  
  
/\* Remove bullets from specific lists \*/  
.no-bullets {  
 list-style-type: none;  
 padding: 0;  
}  
  
nav ul {  
 list-style-type: none;  
 display: flex;  
 gap: 20px;  
}  
  
nav a {  
 display: block;  
 padding: 10px 20px;  
 font-size: 1.5em;  
 color: #3b82f6;  
 background-color: #ffffff;  
 border-radius: 8px;  
 text-decoration: none;  
 transition: transform 0.2s ease, box-shadow 0.2s ease;  
 box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);  
}  
  
nav a:hover {  
 color: #2563eb;  
 transform: translateY(-5px);  
 box-shadow: 0 8px 12px rgba(0, 0, 0, 0.2);  
}

**Step 1: Create an S3 Bucket**

Go to AWS Console, and login.

Create an S3 Bucket

Navigate to S3 in the AWS Management Console.

A screenshot of a computer

Description automatically generated

Click Create Bucket

A screenshot of a computer

Description automatically generated

Choose your AWS Region. It’s best to choose the one closest to you.

Enter your Bucket name. (Tip: If you plan to use a custom domain, match the bucket name with your domain name, e.g., cne.com.)

Set Object Ownership to ACLs disabled (recommended).

A screenshot of a bucket

Description automatically generated

**Allow Public Access**

Scroll down to Block Public Access settings for this bucket.

Deselect Block all public access (required for a public resume).

Confirm by selecting the acknowledgment checkbox for public access.

A screenshot of a bucket

Description automatically generated

**Create Bucket**

Use default settings for the rest of the configuration, then click Create bucket.

A screenshot of a computer

Description automatically generated

**Step 2: Enable Static Website Hosting on S3**

Open Bucket Properties

Click into the bucket you just created, and navigate to the Properties tab.

A screenshot of a computer

Description automatically generated

**Enable Static Website Hosting**

Scroll down to the Static website hosting section and click Edit.

Select Enable to allow static website hosting.

A screenshot of a webpage

Description automatically generated

In the Index document field, type index.html (this serves as the default homepage for your website).

Click Save changes.

A screenshot of a computer

Description automatically generated

**Step 3: Configure Bucket Policy for Public Access**

Open Bucket Permissions

Go to the Permissions tab in the S3 bucket.

A screenshot of a computer

Description automatically generated

Scroll to Bucket policy and click Edit.

A screenshot of a computer

Description automatically generated

Copy the following policy code and paste it into the policy editor:

{  
 "Version": "2012-10-17",  
 "Statement": [  
 {  
 "Sid": "PublicReadGetObject",  
 "Effect": "Allow",  
 "Principal": "\*",  
 "Action": [  
 "s3:GetObject"  
 ],  
 "Resource": [  
 "arn:aws:s3:::your-bucket-name/\*"  
 ]  
 }  
 ]  
}

A screenshot of a computer

Description automatically generated

Replace "your-bucket-name" with your actual bucket name.

Click Save changes to apply the policy.

A screenshot of a video

Description automatically generated

**Step 4: Upload Your Resume Files to S3**

Go to Objects

Click the Objects tab in your bucket.

A screenshot of a computer

Description automatically generated

Click Upload and drag-and-drop all your website files (e.g., index.html, styles.css, script.js, and headshot.jpg) into the upload area.

A screenshot of a computer

Description automatically generated

Click Upload to add the files to your bucket

.

A screenshot of a computer

Description automatically generated

Confirm All Files are Uploaded.

A screenshot of a computer

Description automatically generated

**Step 5: Test Your Resume Website**

Locate the Website Endpoint

In your S3 bucket, navigate to the Properties tab.

A screenshot of a computer

Description automatically generated

Scroll to the Static website hosting section and find the Bucket website endpoint link.

A screenshot of a web page

Description automatically generated

Click the endpoint link to view your live resume website.

Your resume website is now live!

A screenshot of a computer

Description automatically generated

**References:**

freeCodeCamp. (2023, November 8). *How to build an online résumé on AWS using S3, Route 53, CloudFront, and ACM*. freeCodeCamp.org. <https://www.freecodecamp.org/news/aws-project-build-a-resume>

YouTube. (n.d.). YouTube. <https://www.youtube.com/watch?v=x7YjX2_zGsk>