

3-1 Journal: Marketing With ePortfolios and Artifact Update

Victoria Franklin

Southern New Hampshire University

CS-499 Computer Science Capstone

Professor Gene Bryant

Sunday, July 21, 2024

Part One

If you're starting in the tech industry, you must put your best foot forward in your portfolio by highlighting your best projects, abilities, and potential for advancement.

Making a solid first impression in the tech industry requires a well-crafted portfolio highlighting your abilities, completed projects, and prospects. If you lack relevant work experience, this Skillcrush article will give you 20-pointers on constructing a tech portfolio. Important suggestions are:

1. Display your most compelling work.
2. Consider your function and the value you added to initiatives.
3. Make sure to incorporate problem-solving abilities and real-life experiences.
4. Make sure the design is simple and easy to utilize.
5. Keep your portfolio up to date.
6. Keep your domain name business oriented.
7. Get feedback and build your network to make yourself more visible.
8. Rewrote newsletter layout.

An electronic portfolio, or ePortfolio, is a great way to advertise oneself, particularly in the IT industry. Here are several strategies for making the most of an electronic portfolio to highlight your qualifications. Highlighting your most important projects and providing detailed descriptions, including your role, the technology utilized, and the consequences, is a great way to showcase your technical abilities and projects. Include snippets of code and links to your GitHub or other code-hosting accounts whenever possible. Always follow best practices and make sure your code is clean. Include links to live demonstrations of your projects if feasible. This is a great way to show prospective clients or business partners your work in action. You should highlight

your technical abilities and problem-solving, teamwork, and communication skills in your case studies. Posts on your blog might include your thoughts, guides, and experiences. This shows your ability to articulate intricate concepts well and your dedication to lifelong learning (Kapila, 2023).

Build your reputation with your ePortfolio by consistently using graphics, typefaces, and colors to achieve a professional and lasting impression. Make your LinkedIn profile and résumé available for download. Verify that your ePortfolio and LinkedIn profiles are in sync. Showcase any appropriate credentials, including those in areas like secure coding, advanced programming, and new technology. Remember to mention any accolades or honors you have earned for your efforts. Client, peer, or faculty recommendations and testimonials should be included. In addition to bolstering your reputation, other people think highly of your abilities and work ethic. Make it simple for site visitors to contact you if they want to collaborate or work together. Make it easy for people to follow your professional development by including links to your social media profiles. Regularly add new projects, blog entries, and accomplishments to your ePortfolio. This demonstrates that you are enthusiastic about your career and committed to growing professionally. Describe your educational path, including the classes you're taking, the books you're reading, and anything else you do to further your knowledge (LeBeouf, 2024).

It takes meticulous planning and administration to minimize risks while maximizing an ePortfolio's marketing potential. Your home address and phone number are examples of sensitive personal information that you should not share. Make sure you use a business-oriented email account when contacting. Ensure your ePortfolio is hosted on a secure platform that uses HTTPS to encrypt data transmission. To avoid security issues, ensure your platform and any plugins or themes are constantly updated. The information must be well-written, error-free, and

grammatically sound. For accuracy's sake, double-check everything, particularly the technical aspects. Keep your projects and blog entries up to date by reviewing and editing them regularly. Your ePortfolio should always have a polished and uniform appearance. Consistent use of layout, fonts, and color palettes is part of this. Put high-quality photos, readable code snippets, and professionally shot films to use. To prevent frustratingly slow page loads, ensure all media files are web optimized.

Ensure that people with impairments can easily access your ePortfolio. Secure your site complies with accessibility standards (such as utilizing appropriate header structures and providing alt text for images). Submit just the most pertinent and excellent work. Visitors can be overwhelmed by too many projects, but a handful of high-quality projects can have a more significant impression. Make it easy for visitors to locate what they're looking for by organizing your ePortfolio with a straightforward structure and user-friendly navigation. Make yourself available for questions by providing a business email address and a contact form. Verify that the form is safe and won't be caught in a spam trap. Put URLs related to your career on your LinkedIn and GitHub pages, among others. Avoid connecting to personal accounts that may have inappropriate content. To maintain an exciting and dynamic ePortfolio, you should regularly post new, relevant information to your blog. Your dedication to learning and sharing knowledge is evident in this as well. Watermarks are an excellent option to prevent unlawful usage of proprietary designs or distinctive visual information. Your code and the licensing terms for other content should be clearly stated. To define the permitted uses of your work, use a license such as Creative Commons, MIT, or the General Public License (How Can You Use E-portfolios to Reflect on Your Problem-solving Skills?, 2024).

Get the opinions of people you respect in your field, classmates, or mentors on your ePortfolio. Please make use of their feedback to enhance the product. Gain insight into your ePortfolio's user experience with the help of website analytics. With this information, you may adjust the content and design to more effectively cater to your target demographic. Protect your ePortfolio from data loss by backing it up regularly. Use backup systems that run automatically. Check for broken links, update software, and refresh information regularly for routine maintenance. By following these steps, you may make an ePortfolio that showcases your abilities and accomplishments engagingly and safely.

If you want to promote yourself and go up the corporate ladder, posting your IP online for everyone to see, particularly in an ePortfolio, is a great move. On the other hand, there are hazards and other negative aspects to consider. Two of the biggest problems with ePortfolios are that people need to learn more about making them and that data from different sources can get corrupted. To start, if there are no safeguards to stop unauthorized people from accessing main.cpp once a project goes live, it might get corrupted. Thankfully, GitHub has built-in safeguards that make the project immutable and read-only, as well as security mechanisms that let you set a repository to private. Furthermore, this issue may have the most significant impact on businesses and employers who are actively recruiting new employees. You can utilize your ePortfolio to promote yourself while keeping your IP and professional reputation protected if you know the risks and take the necessary steps to reduce them (OWASP Top Ten | OWASP Foundation, 2023).

Part Two

The software design and engineering artifact I am working on for my computer science capstone project is improving. After receiving comments on it, I intend to submit it today.

However, due to a recent injury to my right elbow, the progress of this task is slower than usual, resulting in a longer duration than anticipated. In the future, I will provide links to the artifacts I am working on for my ePortfolio so that my instructor can provide me with more detailed comments.

Checkpoint	Software Design and Engineering	Algorithms and Data Structures	Databases
Name of Artifact Used	Artifact name: gpinterrupt.c Origin: CS 350: Emerging Systems Architectures and Technologies	Artifact name: BufferOverflow.cpp Origin: CS 405: Secure Coding	Artifact name: AnimalShelter.py Origin: CS 340: Advanced Programming Concepts
Status of Initial Enhancement	Improvements finalizing	Planned but has not been finalized	Planned but has not been finalized
Submission Status	Planned but has not been finalized	Planned but has not been finalized	Planned but has not been finalized
Status of Final Enhancement	Planned but has not been finalized	Planned but has not been finalized	Planned but not yet completed
Uploaded to ePortfolio	Planned but has not been finalized	Planned but has not been finalized	Planned but has not been finalized
Status of Finalized ePortfolio	Planned but has not been finalized	Planned but has not been finalized	Planned but has not been finalized

References

How can you use e-portfolios to reflect on your problem-solving skills? (2024, March 8).

www.linkedin.com. <https://www.linkedin.com/advice/3/how-can-you-use-e-portfolios-reflect-your-8uvjf>

Kapila, D. (2023, May 29). *Need a Job? Add These 8 Projects to Your Portfolio*. Skillcrush.

<https://skillcrush.com/blog/portfolio-advice-2/>

LeBeouf, R. (2024, February 6). *5 Tips to Launch Your Career in Tech*. HCLTech.

<https://www.hcltech.com/blogs/5-tips-launch-your-career-tech>

OWASP Top Ten / OWASP Foundation. (2023). Retrieved July 21, 2024, from

<https://owasp.org/www-project-top-ten/>