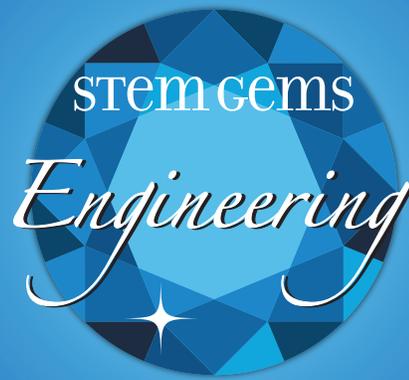


STEM Gem Career:  
WEB APPLICATION ENGINEER

STEM Gem:  
KIMBER LOCKHART

*"I have such a visceral reaction to expectations that limit my potential; I react by proving that I can."*



Is a career as a Web Application Engineer in your future? Are you curious about software development – building new features and designing the user experience? STEM Gem Kimber Lockhart has founded several web-based innovative software companies while working to foster a richer, more diverse tech community. Read her story and digest. Watch one of her videos. Then, with your STEM Gems Tribe, **discuss, explore, reflect,** and **act.**

## DISCUSS

1. How do Web Application Engineers like Ms. Lockhart make a difference in the world?
2. What experiences did Ms. Lockhart have that led to her pursuit of a career as a Web Application Engineer?
3. What is Ms. Lockhart's educational background?
4. What are some of the challenges that Ms. Lockhart faced along her journey?
5. What are some of Ms. Lockhart's key accomplishments?
6. What inspired you most about Ms. Lockhart's story?
7. Ms. Lockhart says: *"I have such a visceral reaction to expectations that limit my potential; I react by proving that I can."* How do you react when someone limits your potential by telling you that you can't do something? Do you shy away and take it at face value, or do you buckle down and work hard to prove them wrong?

## EXPLORE

1. To pursue a career as a Web Application Engineer, what college majors should you consider? What colleges and universities have programs in these areas?
3. What companies hire Web Application Engineers (also known as Software Developers)? What is the salary range for a Web Application or Software Engineer?
4. What classes should you take in school to prepare for college and a career as a Web Application Engineer?
5. Name at least two other women Web Application Engineers. How are they similar to Ms. Lockhart? How are they different?
6. What professional organizations support women in Web Application or Software Engineering? Do they have programs available for middle and high school students?

## REFLECT

Ms. Lockhart has a robust *prove-I-can* attitude. Everyone has strengths and weaknesses. But if you believe that you are just as likely to be successful as any other person, you're more likely to get there. How does your attitude affect your decisions? How does your attitude reflect your behavior? How does it reflect your performance?

## ACT

It's time to step outside your comfort zone. Name one concrete thing you will do before your next meeting that will have you one step closer to becoming a STEM Gem. Blog about it. Include it in your written or photo journal. Hold yourself accountable.

***Work hard. Be brave. Stay curious.***

**BE A GEM!**

*Stephanie Espy*

P.S. I'd love to hear about your journey. Share on Facebook, Twitter, or Instagram and tag @STEMGemsBook #STEMGemsTribe, or email me at [tribe@STEMGemsBook.com](mailto:tribe@STEMGemsBook.com).