

# Skylar Wilcox, PMP

## PROJECTS

### Mint Wins • *(ReactJS Router, Express, PostgreSQL, JWT, Cron)*

[Live](#) • [GitHub](#)

Lottery ticket manager in React with custom and external APIs

- All traffic encrypted with SSL and user actions authenticated with JWTokens
- Touchless user messaging and lottery drawing updates managed by CronJobs
- Promise queueing of user messaging. Custom HTML emails generated for each user
- Minimizes tech debt for adding new lotteries with REST APIs and React components

### Domain Hack • *(ReactJS, Express, Redis)*

[Live](#) • [GitHub](#)

A clever tool for finding clever domain names

- Continuously optimizes response time with throttling and timeouts on API requests
- Secures traffic with CSRF cookies to prevent abuse of the API by third parties
- Caches results in a Redis database for fast retrieval of recent searches
- Maximizes referral bounty by picking referral partners and generating links in real-time

## EXPERIENCE

### Area Engineer and Project Manager • ExxonMobil • Baton Rouge, LA • 2015–2016

- Developed GUI for quality system to drive operator ownership. Resulted in no customer complaints during tenure, allowing business to repeatedly raise prices
- Managed 16 projects worth over \$25M. Led diverse engineering teams through execution

### Site Engineer and Project Coordinator • ExxonMobil • Baton Rouge, LA • 2013–2015

- Implemented real-time energy efficiency metrics for operators in a lightweight GUI client. Stewarded performance to VP-level management.
- Introduced operations monitoring software on the site's Distributed System Architecture. Group lead for junior engineers commissioning the platform

## EDUCATION / CERTIFICATIONS

### Project Management Professional (PMP)

- Over 4,500 hours of project management experience

### The University of Pittsburgh • BS Chemical Engineering • 2009-2013

## SKILLS

React Router   JavaScript   PostgreSQL   HTML5   RESTful APIs   Python   CSS   Git