

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
- HTML emails generated for each user, queued with the Mailgun API
- Highly functional – new lotteries can be added by updating a single JSON

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

- Operations representative to global product team and on-call technical contact
- Translated customer needs to introduce and commercialize new products
- Overhauled quality management system, leading to no customer complaints during tenure. Enabled business teams to repeatedly raise prices.

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

- Formed a cross-functional team on an electrical infrastructure project, eliminating \$3M/yr in shutdowns
- Initiated 8 projects to provide three layers of protection for every potential environmental exposure. Developed dashboards and stewarded project status to VPs

EDUCATION / CERTIFICATIONS

Project Management Professional (PMP)

- Over 4,500 hours of project management experience

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

SKILLS

Python Node.js RESTful APIs React + Native Redis PostgreSQL Flutter + Dart Git