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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 to upgrade the site's electrical infrastructure, 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