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Skylar Wilcox

PROJECTS

Mint Wins • Lottery ticket manager in React with custom and external APIs   Live • GitHub
- Instantly reauthenticates users through token-based middleware
- Promise queueing of user messaging. Custom HTML emails generated for each user
- Touchless user messaging and lottery drawing updates managed by CronJobs
- Minimizes tech debt for adding new lotteries with REST APIs and React components

Domain Hack • A clever tool for finding clever domain names   Live • GitHub
- Continuously optimizes response time with throttling and timeouts on API requests
- Maximizes referral bounty by picking referral partners and generating links in real-time
- Increases user utility by sorting results with a custom fuzzy logic algorithm

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
- Extensive training, testing, and certification by the Project Management Institute

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

SKILLS

React Router   JavaScript   PostgreSQL   HTML5   RESTful APIs   Basic   CSS   Git