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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
- Touchless user messaging and lottery drawing alerts updated by CronJobs
- All traffic encrypted with SSL and authenticated with JWTokens
- Custom HTML emails generated for each user, queued with the Mailgun API

Domain Hack • (ReactJS, Express, Redis)　　　　Live • GitHub
A clever tool for finding clever domain names
- Continuously optimizes response time with dynamic timeouts and Redis caching
- Secures traffic with CSRF cookies to prevent abuse of the API by third parties

EXPERIENCE

Software Engineer • Ampersand • Los Gatos, CA • 2018 – Present
- Full stack developer in Typescript, React, Express, and MySQL
- Conducted UX testing around social groups; executed improvements to the data schema and frontend
- Doubled user referrals through changes to the invitation incentive system

Area Engineer and Project Manager • ExxonMobil • Baton Rouge, LA • 2015 – 2016
- On-call 24/7 production support for world-scale polypropylene production line.
  Unit project manager, operations representative to global product team, and technical lead
- Negotiated with suppliers and competitors to stabilize the regional supply grid following catastrophic flooding in August 2016. Prevented force majeure
- Identified and executed testing to justify elimination of capital equipment, saving $2M/yr
- Overhauled quality management system, leading to no customer complaints during tenure.
  Enabled the business team to repeatedly raise prices

Site Engineer and Project Coordinator • ExxonMobil • Baton Rouge, LA • 2013 – 2015
- Formed a cross-functional team to stabilize the site's electrical infrastructure, saving $3M/yr in shutdowns
- Managed 8 projects to provide triply redundant protection against environmental incidents.
- Led bid reviews and requisitions for upgrades to the flare system, increasing system reliability 94%.
  Managed contractor work while keeping the entire system online

EDUCATION / CERTIFICATIONS

Project Management Professional (PMP)
- Over 4,500 hours of project management experience

The University of Pittsburgh • BS Chemical Engineering

SKILLS

Python　　Node.js　　Typescript　　React　　Express　　Redis　　SQL　　Flutter + Dart