

Nathaniel Mays

Software Engineer

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🌐 LinkedIn 🇺🇸 US Citizen

🧠 SKILLS

JavaScript, PHP, React, Svelt, MySQL, UX/UI Design, Next.js, TypeScript, Cloud Platforms — Digital Ocean, AWS, Full Stack Development, AJAX, REST APIs, Agile Development, Responsive Design, Node.js, SQL — MySQL, Sequelize, PostgreSQL, CMS — Sanity, Wordpress

🎓 EDUCATION

University of Texas, Full-Stack Coding Bootcamp Certificate
2022 | Austin, United States
Learned the MERN stack.

Texas State University, Physics
2019 | San Marcos

👤 PROFILE

Software Engineer with a focus on the frontend. Proficient in modern JavaScript frameworks including React, Next.js, and Svelte. Comfortable in cross-functional team collaboration and self-directed work environments. Passionate about building human-centered digital products with user-friendly UI. Strong background in APIs, CMS platforms, and agile development practices.

🧰 EXPERIENCE

Software Engineer, Event Rental Systems 📄

2022 – present | Cedar Park, TX

- **Contributing to full-stack development of ERS Lite**, a ground-up rebuild of legacy event rental management system as a modern Single Page Application using Preact, custom routing, and RPC-based API architecture; project serves as new subscription tier while maintaining backwards compatibility with existing databases
- **Architected multi-wizard SPA control panel** including comprehensive Inventory Wizard managing categories, products, pricing rules, and scheduling profiles; implemented client-side routing (/items, /categories) without traditional build tools, delivering React-like functionality in PHP-core environment
- **Spearheaded development of ERS's first Premium Template in 5 years**, showcased at IAAPA 2024 (largest industry expo), generating 20 new premium subscriptions in first month; built entirely with vanilla JavaScript in non-Node environment
- **Modernized legacy Routing Interface into responsive SPA** for truck drivers using vanilla JavaScript and PHP, transforming desktop-only system into fully mobile-responsive solution with enhanced touch gestures and optimized performance
- **Implemented RPC-based API architecture** connecting frontend JavaScript applications to PHP/MySQL backend via AJAX, enabling real-time data synchronization across multiple SPAs and premium features
- **Selected by CTO for Innovation Team** where I proactively developed innovative features during personal time, resulting in immediate premium tier placement due to enterprise demand
- **Established comprehensive training program** with video tutorials and documentation for 2 junior developers, reducing onboarding time by 25% while scaling frontend team capabilities

Freelance Web Developer, Self-employed 📄

2022 – present

- **Accumulating clients** through networking and positive reviews.
- **Extending Wordpress Themes** through FTP and direct editing of core files, adding custom functions and sections.
- **Implementing eCommerce Solutions** like Shopify and WooCommerce from start to finish, helping client's to get their businesses off the ground.

INTERESTS

Wine Connoisseur, Chess, Fitness & Health, Geoeconomics, Cryptocurrency, World Culture, Entrepreneur, Meditation & Self-improvement

PORTFOLIO

nathaniel-mays.com 

PROJECTS

Bundle Builder SPA, *Svelte, Astro, Digital Ocean*

- **Full-stack SPA from scratch using Svelte and Astro**, inspired by Nike's product bundling UX during downtime at work; self-directed entire project lifecycle from concept to production deployment
- **Interactive drag-and-drop canvas system** where users create visual product bundles with items from inventory; implemented proportional resizing algorithm maintaining relative item sizes when scenes scale
- **Superior HTML-based scene rendering** where each item maintains its own clickable element linking to respective product pages, outperforming static image alternatives for e-commerce conversion
- **Proprietary API endpoints with Digital Ocean JSON feed** for real-time data persistence and cross-session bundle management

Automated Golf Tee Time Booking System,

Python, Selenium, JavaScript, Cloud Infrastructure

- **Solved real-world scheduling problem** when colleague needed automated solution for competitive first-come-first-serve tee time bookings; self-taught Python and Selenium to deliver custom web automation tool
- **Built intelligent web crawler** that navigated complex booking interface, handled dynamic form elements, and secured preferred time slots at 6:00am release time without manual intervention
- **Implemented scheduled automation** using cron jobs running twice weekly, saving client hours of manual effort and guaranteeing desired tee times in high-demand system
- **Demonstrated rapid skill acquisition** by learning Python specifically for this use case, showcasing ability to quickly adopt new technologies when solving business problems

Custom Contact Form Application, *Preact, PHP, RPC*

- **Architected standalone SPA from ground up using Preact** without webpack or build tools, implementing component-based architecture with client-side state management in PHP-core environment
- **Developed custom RPC engine** for seamless frontend-backend communication, enabling real-time form validation and dynamic field generation based on business logic
- **Achieved immediate ROI** with feature driving instant upsell to premium tier for major enterprise clients, demonstrating ability to identify and build high-value features independently