SHAVON HARRIS

Lead Engineer

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Full-Stack / Senior Frontend Engineer with 3+ years building data-heavy, real-time enterprise applications in React and TypeScript. Focused on front-end leadership and AI-powered product experiences

SKILLS

- JavaScript
- TypeScript
- React
- Node.js
- Python
- PostgreSQL
- OpenAI API
- N8N
- Docker
- Git
- AWS
- Jest

WORK EXPERIENCE

ITSTHATLADY.DEV

Lead Engineer | 2024 - Current

• Secured $12,000 contract to build custom application for client, managing design, full development lifecycle including requirements gathering, technical architecture decisions, full-stack development, and ongoing client communication

• Built N8N automation for education client eliminating 10-15 hours of weekly manual research paper processing, replacing entire workflow with 1-minute automated pipeline (98% time savings)

• Developed N8N automation for GitHub developer advocate streamlining biweekly content research from 1+ hours to minutes

• Scaled handyman services client from $30/hour to $25,000+ project quotes through comprehensive digital transformation: custom website and automated booking system

TRELLIX

Software Engineer | 2022 - 2024

• Built Rules app from 0 to 1 for XDR platform serving 50,000+ enterprise customers (80% of Fortune 100), processing 68 billion security queries daily across 100+ million endpoints

• Reduced user error rates by 20% through intuitive UI design. Improved design system accessibility by 60% through WCAG 2.1 enforcement for 50,000+ users

• Expanded test coverage from 55% to 95% using React Testing Library and Jest, ensuring reliability for security-critical workflows

• Reduced bug counts by 30% through TypeScript migration and optimized CI/CD pipelines, cutting deployment.

• Led Redux integration and mentored 3 team members while scaling Rules app to handle enterprise-grade data volumes

PROJECTS

FOOD AT HOME

- Shipped AI-powered recipe app using Claude Vision to extract ingredients from user photos with confidence scoring; engineered prompt system to constrain recipe output to 0-2 additional ingredients, reducing user friction for meal planning.
- Architected serverless backend with Netlify Functions handling Stripe webhooks, Firebase auth verification, and Claude API orchestration; secured production deployment with HMAC-verified caching, rate limiting, and 23 vulnerability fixes from security audit.
- Code

DIGITAL BUSINESS CARD

- Architected full-stack application with RAG (Retrieval-Augmented Generation) chatbot answering professional background questions with 95%+ accuracy using OpenAI embeddings, semantic search, and GPT-4 generation.
- Integrated ElevenLabs AI voice synthesis for natural conversational experience with realistic voice intonation and pacing.
- React, TypeScript, Node.js/Express, vector database for RAG pipeline, OpenAI API, ElevenLabs API deployed on Netlify with serverless backend functions.
- Code
- Demo
- Demo Video

PHILOMAE LEGACY FAMILY REUNION

Architected and deployed full-stack family reunion platform serving 50 users with real-time features and production-grade infrastructure.

- Built with React, TypeScript, Node.js, PostgreSQL; implemented WebSocket real-time updates, image optimization pipeline, and responsive design (mobile-first).
- Managed complete product lifecycle from requirements gathering with end users to production deployment, monitoring, and feature iteration based on analytics.
- Code

TECHNICAL WRITNGS

- Building a URL Shortener: A first system design test - read more here
- Networking is Queen - read more here

EDUCATION

NORTHERN MICHIGAN UNIVERSITY

Bachelor of Arts International Studies | 2010 - 2014