# Shray Soorma

480-313-3661 | shraysoorma27@gmail.com | github.com/ShraySoorma
Phoenix, AZ | San Francisco, CA

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Python, SQL, C#, .NET
**Frontend:** React, Next.js, Tailwind CSS, Framer Motion, Socket.io, Recharts, React Hook Form, Zod
**Backend:** Node.js, Express.js, Fastify, PostgreSQL, MySQL, Redis, REST APIs, WebSockets, ASP.NET, microservices
**Cloud & AI:** AWS (EC2, S3, Lambda, RDS), Docker, Kubernetes, CI/CD (GitHub Actions), LangChain, LangGraph, OpenAI API, Anthropic Claude API, Stripe API
**Practices:** System design, automated testing (Playwright, Vitest), observability, code review, Git, Postman

## PROFESSIONAL EXPERIENCE

**IBM / Kyndryl Inc.** | Senior Software Engineer — Jan 2026 - Current

- Own the centralized **payment engine** behind all ADOT MVD transaction processing (**1M+ transactions monthly**), covering transaction orchestration, secure API design, and observability improvements that reduced payment failures across citizen-facing services.
- Led the **migration of legacy ADOT applications to modern .NET**, re-architecting aging systems into maintainable, cloud-ready services while preserving continuity for live citizen-facing workflows.
- Designed, built, and shipped **4+ client-facing web applications** end-to-end, owning architecture, API design, and deployment for high-traffic state services.
- Lead technical design reviews and **mentor junior engineers** across web application teams, setting standards for API design, testing, and release practices.
- Drove adoption of **automated regression testing** (Playwright, GitHub Actions, Vitest) across client-facing applications, reducing production regressions by **45%** and improving release confidence in high-traffic workflows.

**IBM / Kyndryl Inc.** | Software Engineer — Aug 2023 - Dec 2025

- Designed and implemented scalable **AWS cloud architectures** (EC2, S3, Lambda, RDS) with cross-functional teams, supporting business-critical applications serving **100K+ users** while optimizing for performance, security, and cost.
- Built and deployed **RESTful APIs** using Node.js, Express.js, and AWS API Gateway connecting mobile and web clients across multiple Kyndryl solutions with secure, reliable data exchange.

**Solisa Inc.** | Software Engineer (Contract) — Sep 2025 - Jan 2026

- Architected an **AI-driven lead nurturing engine** using OpenAI API, LangChain, and LangGraph to generate personalized follow-up messages, increasing lead response rates by **35%** and processing **50,000+ automated messages monthly**.
- Engineered a distributed **workflow orchestration system** using Restate to manage multi-stage automation pipelines with fault-tolerant state management, reducing missed appointments by **60%** across 10,000+ scheduled workflows.
- Built a real-time CSV import pipeline with automatic header detection and intelligent column mapping (AWS S3, React Hook Form, Zod), cutting manual data entry time by **80%** across 100,000+ lead records.
- Created a subscription access control system with Redis caching (Stripe API, Fastify, React), securing **$50K+ MRR** and cutting auth latency by 200ms.

**IBM / Kyndryl Inc.** | Software Engineer Intern (2x) — Summers 2022 & 2023

- Built the React interface for an internal **Generative AI tool** with an Nginx proxy on GCP (25% server performance gain), and implemented **semantic search** for an employee search engine using sentence-transformer NLP models.

## RELEVANT PROJECTS

**Charlore.ai** | Founder / Full-Stack Engineer | Next.js 14, TypeScript, Prisma/PostgreSQL, Stripe, ffmpeg

- Architecting a production **SaaS platform for serialized AI video**: **27 relational data models** and **71 API endpoints** powering a multi-stage generation pipeline (script → storyboard → character-consistent imagery → video → voiceover → final 9:16 assembly) that delivers distribution-ready episodes end-to-end.
- Engineered a pluggable **4-modality generation layer** (OpenAI/Anthropic, fal/Kling, ElevenLabs) with credit-metered **Stripe billing**, multi-tenant workspaces with role-based access, a QStash-backed **ffmpeg render worker**, and **230+ automated tests** in CI.

**Autonomous AI Outreach Pipeline** | TypeScript, Anthropic Claude API, Gmail API, SQLite, launchd

- Built a fully autonomous email-outreach system: **2,300+ companies** discovered across 5 sources, **600+ contacts** enriched, and **300+ personalized emails** drafted by Claude behind a code-level quality validator, with a human-in-the-loop review UI and live analytics.
- Engineered for unattended reliability: deliverability-safe send pacing, automated follow-up cadences, reply/bounce polling that auto-demotes bounce-heavy contact sources, and self-healing failure alerts with OS-level fallback.

**Dezignr Co LLC** | Founder / Full-Stack Engineer | React, Vite, TypeScript, Node.js, Prisma, Docker

- Built and shipped a full-stack website-builder platform with a Prisma-backed data layer and Docker/Fly.io continuous delivery, **serving 50+ live sites**; added a companion CRM (Next.js, Supabase/PostgreSQL, row-level security) packaged as an Electron desktop app.

## EDUCATION

**Arizona State University** | BS Computer Science — GPA: 3.7