

Arsalan Bardsiri

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Education

California State University, Northridge	Northridge, CA
Computer Engineering (Senior Standing)	2016 – 2020
<ul style="list-style-type: none">Completed 3+ years of rigorous coursework including Data Structures, Algorithms, and Operating Systems.Withdrew during senior year (March 2020) with full standing in core engineering competencies.	
University of California, Irvine	Irvine, CA
Full-Stack Web Development Certificate	2023

Technical Skills

Languages: JavaScript (ES6+), TypeScript, Python, Ruby, SQL, HTML5, CSS3
Frontend: Next.js 16 (App Router), React 19, Tailwind CSS, Shadcn UI, Framer Motion, Redux
Backend: Node.js, Express, NestJS, Django, Sinatra, GraphQL, REST APIs, WebSockets
Databases & Infrastructure: PostgreSQL (Supabase/Neon), Redis (Pub/Sub), Docker, AWS, GitHub Actions
QA & Testing: Cypress (E2E), Playwright, JMeter (Performance), Jest, PyTest

Experience

Ecotrak Facility Management Software	Irvine, CA
QA Lead & Automation Engineer	2023 – 2024
<ul style="list-style-type: none">Engineered a robust test automation framework using Cypress and JavaScript, reducing regression testing cycles by 40%.Implemented CI/CD pipelines via GitHub Actions to automate testing on pull requests, accelerating developer feedback loops.Conducted high-volume performance load testing using JMeter to identify and resolve SQL query bottlenecks.Bridged the gap between engineering and product teams by translating complex technical requirements into executable test plans.	
Freelance / Independent	Remote
Full-Stack Developer	2022 – Present
<ul style="list-style-type: none">Architecting and deploying scalable web applications for clients using the MERN stack and Next.js.Integrating secure payment systems (Stripe) and Headless CMS architectures for dynamic content management.Optimizing applications for SEO and performance, consistently achieving 95+ Lighthouse scores.	

Technical Projects

ProjectIt V2 Next.js 16, Socket.io, Redis Adapter, Docker	2025
<ul style="list-style-type: none">Re-architected a legacy monolith into a distributed, microservices-ready platform.Implemented a horizontally scalable WebSocket cluster using Socket.io with a Redis Adapter.Developed a custom background job queue utilizing Redis to decouple email notifications from the main API thread.	
Blog Lounge V2 Next.js 16, Redis, Express, PostgreSQL, Playwright	2025
<ul style="list-style-type: none">Built a high-scale content platform implementing the Cache-Aside pattern with Redis to minimize DB load.Designed a custom Rate Limiting middleware (Sliding Window algorithm) to protect API endpoints from DDoS.Integrated Playwright for End-to-End testing of critical user flows including authentication and payments.	
Catlender V2 Next.js 16, Google Gemini AI, Supabase	2025
<ul style="list-style-type: none">Modernized a legacy calendar app into an AI-augmented productivity tool.Integrated Google Gemini API to act as an intelligent agent for schedule optimization and daily briefings.Leveraged Supabase for real-time data synchronization and Row-Level Security (RLS).	