

SOURABH NATERIA

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ABOUT ME

I am a software engineer who genuinely enjoys solving hard technical problems - whether that means squeezing performance out of a Rust scraping pipeline or crafting a clean, user-friendly React interface. Over the past year, I have shipped production software at a consulting firm, working across the full stack from browser automation to QA to MERN application development. I take pride in writing code that is readable, reliable, and built to last, and I am eager to bring that mindset to a team working at scale.

WORK EXPERIENCE

Software Engineer - Automation & Web Scraping

May 2025 – Jan 2026

Qualyval Consulting

Remote, India

- Owned design and delivery of production Rust scrapers using **Chrome DevTools Protocol (CDP)**, extracting live tender data from government portals in Saudi Arabia (Etimad) and the UK (Bury Council) that business teams relied on daily.
- Solved the challenge of JavaScript-heavy dynamic pages by building extraction logic that gracefully handled pagination, DOM mutations, and session management without human intervention.
- Redesigned the pipeline around **async and multithreaded execution**, cutting scraping time by **~50%** and improving resilience under concurrent load.
- Extended coverage to **LinkedIn, TripAdvisor, and Instagram**, navigating rate limiting, anti-bot protections, and dynamic auth flows to deliver consistent structured data.

Quality Assurance Engineer

Mar 2025 – Apr 2025

Qualyval Consulting

Remote, India

- Ran **manual functional and regression testing** for *Quicker Permit*, a live compliance and permit management platform, catching issues across every release before they reached users.
- Went deep on end-to-end workflows, form validations, and business rules to ensure the app held up under realistic usage and met regulatory requirements.
- Wrote clear, reproducible defect reports that made it easy for developers to prioritize and resolve issues quickly - verifying every fix before sign-off across multiple sprint cycles.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), Rust, TypeScript, HTML5, CSS3, SQL

Frontend: React.js, Vercel v0, Responsive Design, Component Architecture, REST API Integration

Backend: Node.js, Express.js, MongoDB, RESTful API Design, Authentication (JWT)

Automation & Scraping: Rust, Chrome DevTools Protocol (CDP), Async Pipelines, Multithreading, DOM Parsing, Pagination

QA & Testing: Manual Testing, Functional & Regression Testing, End-to-End Validation, Defect Tracking, Bug Reporting

Tools & Platforms: Git, GitHub, Postman, Vercel, VS Code, Linux, Chrome DevTools

PROJECTS

Deep Research | *Next.js, Vercel AI SDK, Tailwind CSS* | Live Demo

Mar – Apr 2026

- Built an AI-powered research tool using Next.js and the Vercel AI SDK, featuring an iterative research loop that generates adaptive search queries and integrates with LLMs to produce comprehensive, well-structured outputs.
- Designed around modular components with a fully customizable research flow, making it easy to swap models or extend query strategies without touching core logic.

EasyAI - AI Website Builder | *React.js, Node.js, Express.js, PostgreSQL, Stripe* | Live Demo

Mar 2026

- Developed a full-stack SaaS platform where users generate complete websites from natural language prompts via a free AI model, with user authentication, a credit system, and Stripe payments built in.
- Shipped end-to-end: responsive React UI, Node.js/Express API, PostgreSQL database, and full production deployment on Vercel.

NN Travel Hub | *MongoDB, Express.js, React.js, Node.js* | Live Demo

Jan – Mar 2026

- Built and deployed a full-stack MERN travel platform from scratch - MongoDB schema, Express REST API, and a responsive React frontend - live on Vercel.

Government Tender Extraction Engine | *Rust, Chrome DevTools Protocol, Async, Multithreading*

2025

- Engineered a concurrent Rust scraping system that halved processing time through async pipeline design, reliably handling JavaScript-rendered government procurement portals at scale.

EDUCATION

Bachelor of Engineering - Computer Science & Engineering

2015 – 2019

Lakshmi Narain College of Technology

India

Preparing for Indian Civil Services & Engineering

2019 – 2024

ALS(1050089) and Next IAS(GSPM23B15069)

India