

# Nawaaz Kortiwala

Senior Full-Stack Engineer · Build with AI

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Based in India (IST, UTC+5:30) · Flexible hours through 11 PM IST – full overlap with EU business hours and US East morning

Open to relocation to EU / UK / US – visa-sponsorship welcomed.

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## Summary

Senior full-stack engineer, 7 years in TypeScript, React, and Node — specialising in **browser automation reliability and AI agent tooling**. Sole engineer behind a production Playwright system at a US proptech: 6 pipelines × 100+ integrations × 3×/day, running reliably for over a year, with checkpoint-based workflow recovery, browser persistence pools, and 9-category error classification. Founder of **Korvol Technologies** (DPIIT-recognised), shipping **CodeTeleport** (live SaaS — MCP server + open-source CLI), **Autowright** (self-healing Playwright + Claude Agent SDK that opens fix PRs), and **Pluckor** (in-browser Playwright-style scraping). Based in India, full overlap with EU business hours and US East morning. Open to relocation.

## Experience

**Senior Software Engineer (Consulting)** HouseNumbers · Sep 2024 – Present · Remote

- Sole engineer on a production data synchronisation system for a US proptech company. Designed and built the entire platform from scratch.
- Built and maintained 6 Playwright-based pipelines across authenticated mortgage lender portals, processing 100+ integrations per run, 3× daily, running reliably for over a year.
- Designed an async, queue-based Workflow System with checkpoint recovery — DOM/URL watchers pause execution on mid-flow auth events, re-authenticate, and resume from the last safe checkpoint.
- Designed and implemented an error classification and directive system with 9 distinct failure scenarios. Each error type triggers its own recovery policy — abort, pause with delay, requeue, notify via Slack, or block the script.
- Built a browser persistence pool that keeps warm authenticated sessions alive across requests, eliminating redundant MFA code requests and reducing auth failures from daily occurrences to near-zero.
- Built an AI document scraper with 3-tier extraction: regex-based text matching, targeted page-level OCR via OpenAI, and full-image OCR — each with confidence scoring and retry logic.
- Built lead generation scraping pipelines across 15+ mortgage industry websites (Arbor Financial, Arive, C2 Financial, Edge Home Finance, Loan Factory, NMLS, and others) with authentication, pagination, rate limiting, and data normalisation.

**Stack:** TypeScript, Node.js, Playwright, MongoDB, Express, Docker, AWS, OpenAI API, Claude Agent SDK

**Founder** Korvol Technologies Pvt. Ltd. · Sep 2024 – Present · Remote · DPIIT-recognised

Building and shipping products at the intersection of full-stack engineering and AI:

- **CodeTeleport** — Live SaaS that syncs Claude Code sessions across machines. MCP server + open-source CLI (npm). Built solo end-to-end on Hono, Cloudflare Workers, Turso/libsql, R2; billing via Polar. Free + Pro tiers. → [codeteleport.com](https://codeteleport.com)
- **Autowright** — Self-healing Playwright framework. A transparent JS Proxy captures failure context (DOM snapshots, screenshots, network logs, action traces); the Claude Agent SDK diagnoses the root cause, edits the source, and opens a GitHub PR. 12-category error classification, 38+ tests, demo-ready end-to-end.
- **Pluckor** — Chrome extension bringing Playwright-style scraping into the browser. Point-and-click field selection via an injected panel UI, saveable scripts, in-extension execution, direct data export. In active development.

**Stack:** TypeScript, Node.js, React, Hono, Cloudflare Workers, Turso, R2, Playwright, Chrome Extensions, Claude Agent SDK, OpenAI API, MCP

## Senior Frontend Engineer

Kapstan · Jan 2024 - Oct 2024 · Remote

- Led frontend feature delivery and owned PR review standards and frontend coding conventions across the team (~5 engineers).
- Mentored 3 junior engineers on React patterns, component architecture, and code-review practice.
- Partnered with management, design, and marketing on roadmap planning and feature delivery cadence.

**Stack:** React, TypeScript, Tailwind CSS

## Software Engineer

GeoIQ · Jun 2022 - Oct 2023 · Bengaluru

- Built and optimised multiple React-based geo-intelligence products spanning CSR (CRA) and SSR (Next.js) architectures.
- Built a full-featured PWA with offline-capable geospatial caching, plus an internal UI library (TypeScript, Styled Components, React) adopted across multiple product teams.
- Mentored interns and junior developers; contributed to sprint planning and execution.

**Stack:** React, Next.js, TypeScript, Styled Components

## Software Engineer

Recrosoft Technologies · Apr 2021 - May 2022 · Remote

Full-stack consultant for Times Internet (shop.mensxp.com), cure.fit, and Nanovest.

## Full Stack Developer

MerchImpulse · May 2020 - Jan 2021 · Remote

Built an Amazon product-data Chrome extension with React/D3 analytics overlay and a JWT-auth dashboard on a PostgreSQL backend.

## Assistant Professor

SSR College · Jun 2018 - Jun 2019 · Daman

Taught programming, data structures, and web development at undergraduate level.

## Selected Projects

**CodeTeleport** — [codeteleport.com](https://codeteleport.com) — Live SaaS · MCP server + npm CLI for syncing Claude Code sessions across machines.

**Autowright** — [github.com/nawaazkortiwalla/autowright](https://github.com/nawaazkortiwalla/autowright) — Self-healing Playwright framework with Claude Agent SDK auto-PRs.

**Job Hunt Pipeline** — [github.com/nawaazkortiwalla/job-hunt-pipeline](https://github.com/nawaazkortiwalla/job-hunt-pipeline) — Multi-agent system (lead + sub-agents + evaluator) built on Claude Code.

## Skills

**Languages & Frameworks:** TypeScript, JavaScript, Node.js, Python, React, Next.js

**Frontend:** React, Next.js, Tailwind CSS, SCSS, Styled Components, PWAs, Responsive Design

**Backend:** Node.js, Express, Hono, MongoDB, PostgreSQL, Redis, Drizzle ORM

**AI / Agentic:** Claude Code, Claude Agent SDK, OpenAI API, MCP Servers, Agentic Workflows, tool use, streaming responses, prompt engineering, LLM eval

**Automation:** Playwright, Puppeteer, Chrome Extensions, Browser Automation, Web Scraping, headless browsers, session persistence, MFA flows, anti-bot / CAPTCHA handling, proxy management

**Infra:** Docker, AWS, S3, Cloudflare Workers, R2, Turso, PostgreSQL, Git, CI/CD, MinIO, serverless, edge runtimes

## Education

**MCA** — Savitribai Phule Pune University · 2015 - 2018

**BCA** — Savitribai Phule Pune University · 2012 - 2015