

Nicolás Duque Feria

Senior Full-Stack Engineer (React / Node.js) · AI Agents & LLM Integration · Tech Lead

Medellín, Colombia (GMT-5) · Remote for US/EU · dukenicols@gmail.com · nicolasduque.com · github.com/dukenicols · linkedin.com/in/dukenicols · **Available immediately** · **Invoices in USD**

SUMMARY

Senior full-stack engineer with 12 years shipping React and Node.js products for companies in the US, Sweden and Argentina. Most recently Tech Lead at KitchenSync (4 years), leading a restaurant accounting platform that integrates QuickBooks, Slack and LLM providers (OpenAI, Anthropic, Gemini). I build production agent systems with the Claude Agent SDK and MCP, own architecture and CI/CD end to end, and led a team of 4 engineers. Certified Scrum Master, Developer and Product Owner. English C1.

CORE SKILLS

Frontend React, Next.js, TypeScript, React Native / Expo, Micro Frontends (Webpack Module Federation), Tailwind, Vite

Backend Node.js, NestJS, Express, Prisma, TypeORM, REST, GraphQL, WebSockets, Clean Architecture / DDD

Databases PostgreSQL, MySQL, MongoDB, Redis, vector stores

AI LLM & generative AI apps (OpenAI, Anthropic Claude, Gemini APIs), prompt engineering, structured outputs / tool use, embeddings & vector search (pgvector, Qdrant), RAG pipelines, AI agents with Claude Agent SDK and MCP servers, LLM evals, document extraction (invoices, financial records), Claude Code plugins

Backend/Python Python, FastAPI, SQLAlchemy, WebSockets; Node.js/NestJS services; REST & GraphQL APIs

Infra & DevOps Git, GitHub Actions, GitLab CI, Docker, Terraform (IaC), AWS (ECS, Lambda, RDS, S3), GCP (Cloud Run), Bitrise, Fly.io, monitoring/observability of LLM cost and latency

Practice Scrum (CSM, CSD, CSPO), team leadership, code review, mentoring, IEC 62304 medical software compliance, WCAG 2.1

EXPERIENCE

Tech Lead, Full-Stack (React/Next.js & Node.js) · KitchenSync Inc — Hone Aug 2022 – May 2026 · Remote, US
Accounting and financial automation platform for restaurants

- Led architecture and end-to-end delivery of a modular, multi-client accounting platform: Node.js/Express APIs, React/Next.js frontend, PostgreSQL, role-based access control and real-time data flows.
- Integrated QuickBooks Online, Slack and LLM providers (OpenAI, Anthropic, Gemini) into the core product for AI-assisted financial workflows.
- Designed a shared TypeScript library (16+ modules: reports, transactions, budgets, auditing, validation) reused across every service in the ecosystem.
- Led and mentored a team of 4 engineers; owned code review, quality audits and CI/CD (GitLab, containerized deployments).
- Worked directly with product, business analysts and customers to turn complex accounting requirements into shipped features.

Senior Frontend Engineer · Doktor24 AB

Apr 2020 – Aug 2022 · Stockholm, Sweden

Digital healthcare platform (patients, practitioners, partners)

- Co-designed a new micro-frontend architecture with Webpack Module Federation, enabling independent delivery across teams.
- Built and maintained Backend-for-Frontend services in Node.js tailored to patient, practitioner and configurator clients.
- Refactored the mobile app into a white-label SaaS platform with configuration layers and Bitrise CI/CD, enabling partner onboarding.

- Owned the triage module, a critical system spanning frontend, internal services and external partners; contributed to IEC 62304 certification.

Full-Stack JavaScript Developer, Casino Team · LeoVegas (Gears of Leo AB) May 2019 – Mar 2020 · Sweden

- Shipped React + GraphQL features for one of Europe's largest online casinos, in a heavily regulated, high-frequency release environment.
- Built a Node.js microservice and a JSON-schema dashboard framework with plug-and-play DB connectors (PostgreSQL, MySQL, MongoDB), replacing manual spreadsheet reporting for product managers.

Technical Lead, React · ByYuto LLC

Feb 2018 – Apr 2019 · Miami, US (remote)

- Led scoping, architecture and delivery across concurrent client projects; built and scaled a hybrid implementation-engineering team of employees and international contractors.
- Defined onboarding, standards and internal tooling that cut ramp-up time for new engineers.

Earlier roles

2013 – 2018

- **Front-End Technical Lead, Connetiz** (Pereira, 2017–2018): technical foundation and MVP delivery for a mobile/web startup; hiring interviews.
- **Front-End Consultant, BairesDev** (2017): WCAG 2.1 accessibility implementation and training for a client's LMS.
- **JavaScript Engineer, GlobalLogic** (2015–2017): React product configurator for the world's largest apparel retailer.
- **Co-Founder, Dodable** (2014–2015): web agency; sold and delivered sites and digital marketing to restaurant and real-estate clients.
- **PHP Developer, elPixel and Gameloft** (2013–2014): marketing apps for Claro and Motorola; migration of Gameloft's global e-commerce platform.

SELECTED AI & OPEN-SOURCE PROJECTS

- **AI Development Team Framework** — open-source Claude Code plugin: a multi-agent system (project manager, backend, frontend, database and QA agents) that works in parallel in isolated git worktrees with structured handoffs. github.com/dukenicols/ai-development-team
- **Nora** — AI personal-finance app for Colombia: per-bank statement parsers (PDF, CSV, Excel) and bank email capture, rules-first categorization with an LLM fallback that turns each answer into a reusable rule, NestJS/Prisma/PostgreSQL backend, React and React Native clients.
- **Trading analytics platform** — FastAPI + React dashboard with real-time WebSocket signals, an MCP server exposing market data and a trade journal to Claude, deployed with Terraform on AWS.

EDUCATION & CERTIFICATIONS

Computer Science studies (2 years), UADE, Buenos Aires · Certified Scrum Master, Product Owner and Developer (Scrum Alliance) · O'Reilly Live Training: React.js · English C1 (EF CELT)