INFO

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TARGET ROLE

Principal / Senior Staff Full-Stack & Platform Architect (AI/LLM) — Hybrid IC/Lead · React · Next.js · Node.js · Python · SaaS Platforms

PROFESSIONAL SUMMARY

Principal-level **full-stack** architect and hybrid **IC/Lead** with 20+ years shipping revenue-critical web platforms and APIs across e-commerce, travel/hospitality, fintech, and digital twin. In my latest role I build **AI full stack** solutions—integrating LLMs (LangChain, ChatGPT) into **Next.js/Node** backends with Python services—owning architecture, privacy-safe data flows, and production readiness. Player-coach for small, high-impact teams (2–12), known for clear technical direction, hands-on delivery, platformization (design systems, component libraries), and pragmatic CI/CD and performance practices. Trilingual **EN/FR/ES**; thrive in product-led, distributed environments.

CORE SKILLS

- **Frontend:** React, Next.js, TypeScript, Redux, HTML5, CSS3, Webpack, Three.js
- **Backend:** Node.js, Express, REST, GraphQL, Python (LLM services), Ruby/Rails, Go (collab)
- **AI/LLM:** LangChain, ChatGPT/OpenAI APIs, prompt engineering, retrieval/evaluation, guardrails, cost/latency optimization

- **Data/Infra:** PostgreSQL, MongoDB, MS SQL, Redis, Docker, CI/CD, Azure; caching, performance, scalability

- **Architecture:** SPA/SSR, API design, microservices/SOA, SSO, OData, message queues, TDD, component libraries

- **Leadership:** Technical discovery, scope/estimation, delivery management, code reviews, hiring/mentoring, stakeholder & client communication

- **Domains:** eCommerce, hospitality, travel, marketing tech, finance/banking, content platforms

EXPERIENCE

Swoop — Lead Full-Stack Engineer (AI/MarTech)

Jan 2023 — Present · Remote

- Own **AI full stack**: LLM orchestration with **LangChain/ChatGPT**, prompt/versioning, evaluation loops, and privacy-safe data flows.

- Defined the **Next.js** + Node architecture and coding standards; evolved PoC → production platform that accelerated client adoption.

- Built end-to-end features across UI, API, and AI services; unblocked bottlenecks across the stack.

- Led and mentored squads (2–4 engineers); instituted code review, testing practices, and delivery rituals. **Tech:** TypeScript, Next.js, React, Node.js, **Python**, LangChain, Docker

Busbud — Staff Software Engineer (Travel/eCommerce)

Jul 2022 — Dec 2022 · Remote

- Shipped React eCommerce experiences and reservation flows; contributed to a reusable UI/component framework. **Tech:** TypeScript, React, Next.js, Node.js, Redux, PostgreSQL, Docker

Sonder — Staff Software Engineer (Hospitality)

Nov 2021 — Jun 2022 · Remote

- Delivered guest-facing platform features and reservation workflows; built shared UI components to standardize design language. **Tech:** TypeScript, React, Next.js, Node.js, Ruby/Rails, Go (collab), Docker

Autodesk — Principal UI Engineer (Digital Twin & eCommerce)

Oct 2018 – Nov 2021 · Montréal, QC / Remote

- Modernized global eCommerce to React and helped build Autodesk Tandem™ digital-twin platform; emphasized performance and scalability.
- Established component libraries and frontend architecture patterns adopted across teams. **Tech:** TypeScript, React, Node.js, Three.js, Redux, Go (collab), MongoDB, Webpack

Aterian — Senior Developer (Data Platform)

Oct 2017 – Oct 2018 · Remote

- Implemented data ingestion/visualization across millions of pages; improved insight delivery and developer productivity. **Tech:** JavaScript, C#, Node.js, React, Redux, Azure, Message Queues, MS SQL, Redis

AppDirect — Staff Front-End Developer (SaaS Marketplace)

Oct 2015 – Oct 2017 · Montréal, QC

- Built features for a multi-million-user cloud marketplace; strengthened UI architecture and tooling; contributed to AngularJS/Electron → React paths. **Tech:** JavaScript, TypeScript, React, Redux, Node.js, Electron, AngularJS, Java

Cirque du Soleil (via Malix Consulting) — Tech Lead

Oct 2014 – Oct 2015 · Montréal, QC

- Defined and managed the Azure-based environment; led development of global-reach web applications within an SOA. **Tech:** ASP.NET MVC 5, C#, JavaScript, AngularJS, Azure, OData, SOA

aZOO.me (Malix Consulting) — Co-founder, Tech Lead *(part-time)*

Jan 2011 — Present · Remote

- Architected and built a cloud SaaS for animal identification management from zero to production; managed distributed contributors and ops. **Tech:** TypeScript, React, Next.js, Node.js, Docker, MongoDB, Stripe, Firebase, WebSockets

Additional Experience (Selected)

- **Morgan Stanley — Team Lead, CVA Trader Workstation (Jul 2012 – Dec 2013):** Mission-critical WinForms app managing **>$300B AUM**; global, distributed team. **Tech:** C#, WinForms, SOAP/SOA, Java, DB2, TDD.

- **Mouvement Desjardins — Team Lead, AccesD (Jul 2010 – Jun 2012):** Consumer banking web platform with **~2,000,000 users**; introduced CI, TDD, Spring MVC; code reviews and team coaching. **Tech:** Java/J2EE, Spring MVC, WebLogic, DB2.

- **Laurentian Bank — Solutions Architect (Jan 2010 – Aug 2010):** Microsoft Dynamics CRM rollout; architecture governance; SOAP integrations. **Tech:** .NET 3.5, MS Dynamics 4.0, SQL Server.

- **CGI/DRC — Team Lead & Architect (Dec 2008 – Jan 2010):** .NET/SharePoint customer-service modernization; CI/TDD; Oracle & SQL Server.

- **Vodafone (NZ/Global/DE) — Lead/Architect/Developer (2007 – 2008):** ATG eCommerce; WebLogic/Oracle; integration via DataPower; financial extraction/reporting.

- **Earlier roles:** Dell (Salesforce automation), AnnuityNet (B2B/B2C finance), Gnosis KM (.NET/SharePoint), Montrusco Bolton (portfolio mgmt), ISP (real-time dispatch). **Tech:** VB.NET/6, ASP, XML/XSL, SQL Server, Clipper, DBase IV.

SELECTED ACCOMPLISHMENTS

- **AI platformization:** Introduced LLM integration patterns (prompt libraries, evaluation/guardrails) and privacy-aware data flows for production AI features.

- **Full-stack delivery:** Built end-to-end product slices across React/Next.js, Node APIs, and Python AI services; owned performance, cost, and observability.

- **Design systems:** Created component libraries and standards adopted across squads; improved velocity and UX consistency.
- **Team leadership:** Grew and mentored small squads; set roadmaps; unblocked delivery; partnered with PM/Design/DS; represented engineering to customers.

EDUCATION

- College Degree (DEC); Business Administration Bachelor Studies

SKILLS KEYWORDS

React; Next.js; Node.js; TypeScript; JavaScript; Python; AI/LLM; LangChain; ChatGPT; API design; REST; GraphQL; SSR; SPA; Web performance; Scalability; Architecture; Component library; UI framework; CI/CD; Docker; Azure; PostgreSQL; MongoDB; MS SQL; Redis; Message queues; TDD; SSO; SOA; OData; Three.js; Webpack; Electron; AngularJS; Ruby on Rails; Go; Agile; Mentoring; Technical Lead; **Hybrid IC/Lead**; SaaS; Cross-functional; Discovery; Estimation; Roadmapping

REFERENCES

Available upon request.