NIKHIL BIDHURI

Senior Software Engineer • Headless CMS, Odoo & Azure • AI-Adapted, Agentic Developer
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PROFESSIONAL SUMMARY

Senior software engineer with 4.5+ years building headless web platforms, backend microservices and enterprise re-platforming projects. Delivered Sitecore and Optimizely migrations on Next.js for global brands, and currently leading an Odoo 19 + NestJS membership platform on Azure Kubernetes Service, designed for 450,000 members, to replace a legacy Microsoft Dynamics AX system. Works across TypeScript, Python and .NET, with hands-on experience in variety of tools and projects. AI-adapted developer who works with AI agents day to day: Claude Code and agentic coding workflows, MCP (Model Context Protocol) servers that connect agents to real project context, reusable Claude Skills for repeatable tasks, plus GitHub Copilot, OpenAI Codex and local LLMs via Ollama.

CORE SKILLS & TECHNOLOGIES

- **Languages & Frameworks:** TypeScript, JavaScript, Python, C#, .NET / ASP.NET, Node.js, NestJS, Next.js, React
- **Backend & APIs:** REST, OpenAPI / Swagger, Zod, class-validator, JWT, microservices, event-driven design, transactional outbox
- **ERP & CMS:** Odoo 19 (Enterprise, POS, custom Python modules), Sitecore XP / XM / SitecoreAI (XM Cloud), Sitecore Content SDK, Sitecore Search, OrderCloud, Optimizely, Umbraco
- **Databases & Search:** PostgreSQL 16, SQL Server / Azure SQL, Drizzle ORM, Solr
- **Cloud & DevOps:** Azure (AKS, Service Bus, Event Hubs, Functions, Container Registry, Key Vault, Communication Services, App Insights), Bicep, Docker, Kubernetes, Kustomize, Bitbucket Pipelines, CI/CD, PowerShell
- **Payments & Analytics:** Stripe, Razorpay, PostHog (product analytics)
- **AI & Agentic Tooling:** Claude Code, Claude Skills, MCP (Model Context Protocol) servers & connectors, AI agents & agentic workflows, GitHub Copilot, OpenAI Codex, Claude (Anthropic), Ollama (local inference), OpenClaw, prompt engineering
- **Tooling & Testing:** pnpm + Nx monorepos, Jest, ESLint, Prettier, Husky, lint-staged, Bruno, Sitecore CLI
- **Engineering Practices:** Performance optimization, API design, content migration automation, AI-assisted code review, technical mentorship, rapid prototyping

AI-AUGMENTED & AGENTIC ENGINEERING

- **AI agents:** Use Claude Code and other coding agents for multi-file changes, refactoring, test generation and code review on production codebases (NestJS / Nx monorepo, Odoo modules, Next.js), with human review on every change.
- **MCP:** Set up and use MCP servers and connectors so AI agents can work with live project context — tickets, documentation, repositories and APIs — instead of copy-pasted snippets.
- **Claude Skills:** Write reusable Claude Skills (structured instructions and scripts) that encode team conventions and repeatable workflows, so agents produce consistent, project-specific output.
- **AI adoption:** Champion AI adoption in delivery teams: train engineers on prompt engineering and agentic workflows, and run local-LLM experiments (Ollama, OpenClaw) to evaluate private, offline options.

PROFESSIONAL EXPERIENCE

Vertis Digital **Mar 2025 – Present**
Senior Developer *Remote*

- Led migration of the OnePA enterprise eCommerce platform from Sitecore XP + Sitecore Commerce to SitecoreAI (XM Cloud), OrderCloud and Sitecore Search, replacing legacy Solr, a monolithic React frontend and a .NET backend with Next.js and NestJS.

- Since Jul 2026, technical lead on SAFRA SMCMS (Odoo 19 + NestJS on Azure AKS): driving architecture decisions, planning and assigning tickets, reviewing PRs, and delivering core billing and membership features.
- Accelerated delivery with agentic AI workflows (Claude Code, MCP-connected tools, GitHub Copilot) for code generation, refactoring and review, cutting routine implementation time by an estimated 30–40%.

Eviden (An Atos Business) **Apr 2024 – Mar 2025**
Associate Consultant *Remote*

- Lead headless Sitecore and Optimizely migration projects using React and Next.js for global enterprise clients.
- Drive internal R&D on local LLMs (Ollama), AI agents and AI-augmented developer tooling to evaluate next-generation engineering workflows.
- Mentor development teams on headless Sitecore patterns, AI-assisted coding, agentic workflows and prompt engineering.

SkillianTech (Atos Contract) **Aug 2023 – Mar 2024**
Senior Software Engineer *Remote*

- Independently delivered the Allstate Agents migration from Umbraco to Sitecore 10.3 Headless, owning architecture and execution end-to-end.
- Designed a Next.js multisite architecture serving multiple brands from one codebase, reducing infrastructure costs by ~50%.
- Implemented a hybrid SSR + SSG rendering strategy for performance and SEO.
- Built a custom Solr Content API to power agent and agency search, improving query relevance and response times.
- Integrated SAML2-based SSO and wrote Sitecore CLI automation scripts for content serialization and deployments.
- Trained and onboarded 8 engineers in headless Sitecore development to scale the XM / XM Cloud practice.

Accenture **Feb 2022 – Jun 2023**
Associate Software Developer *Remote*

- Delivered Sitecore JSS features and custom React components across multiple enterprise engagements.
- Diagnosed and resolved Azure deployment and environment issues, stabilising release pipelines.
- Configured Sitecore CLI for content serialization and tuned Solr search and workflow integrations for performance.

PROJECTS

SAFRA SMCMS — Membership & Club Management Re-platform **Jul 2026 – Present**
Vertis Digital • Client: SAFRA (Singapore) • Role: Dev Lead

- Leading the re-platforming of a legacy Microsoft Dynamics AX membership system to Odoo 19 Enterprise and NestJS microservices on Azure AKS: owning technical decisions, ticket planning and assignment, and PR reviews for the team.
- Delivered core features hands-on, including the membership lifecycle in Odoo, DBS / GIRO bank auto-deduction with reconciliation, and bulk member registration via Excel and API.
- Shaped an event-driven architecture (Azure Service Bus, transactional outbox) and a PII-isolation design with masked data and audit trails.

Tech: Odoo 19, Python, NestJS, TypeScript, PostgreSQL, SQL Server, Azure (AKS, Service Bus, Functions, Key Vault), Talon.One

OnePA — Enterprise eCommerce Modernization **Mar 2025 – Jul 2026**

- Upgraded Sitecore JSS to the Sitecore Content SDK and implemented wildcard item support in SSG with SitecoreAI integration.
- Optimized API performance by ~50% and wired Sitecore Search via the Ingestion API and Experience Edge webhooks.

Tech: Sitecore AI (XM Cloud), OrderCloud, Sitecore Search, Next.js, NestJS

Allstate Agents — Umbraco → Sitecore Headless Migration **Apr 2024 – Feb 2025**

- Migrated the production site to Sitecore 10.3 Headless using PowerShell and CSV-driven content transfer automation; built a Next.js multisite with hybrid SSR / SSG and a Solr-backed agent search API.

Allstate Canada — Sitecore-First React / Next.js Platform **Aug 2023 – Apr 2024**

- Migrated a React app to Next.js for multisite hosting with reusable component libraries; configured sitemap.xml, robots.txt and Sitecore CLI for SEO and content automation.

Saudia Airlines & Adani One

- **Saudia Airlines:** Upgraded Sitecore 10.2 → 10.3 and automated content management with custom PowerShell scripts.
- **Adani One:** Built custom content resolvers and MVC pages for enhanced site functionality.

EDUCATION & CERTIFICATIONS

Delhi Institute of Tool Engineering — *Bachelor of Technology, Mechatronics (2021)* New Delhi

- **Certification:** Sitecore 10 .NET Developer Certification
- **Languages:** English (Fluent), Hindi (Native)
- **Interests:** AI agents and MCP tooling, local AI model deployment, open-source AI ecosystems, developer productivity, headless architecture