

Sunny Patel

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TECHNICAL SKILLS

Programming: Java, Python, Go, Scala, PowerShell, C++, C#, YAML, Kotlin, Assembly (x86/ARM)

Backend: Django, Ruby on Rails, MongoDB, PostgreSQL, MySQL, Express.js, ASP.NET Core, Spring Boot, Kafka

Frontend: React.js, JavaScript, Flutter, TypeScript, WebGL, GraphQL, Tailwind CSS, Three.js, Vue.js

DevOps/Cloud: Git, Docker, Kubernetes, Azure, GCP, AWS (ECS, S3, Lambda, Beanstalk, RDS), Jamf Pro, Datadog

OS: Windows Server, Kali Linux, Debian, Red Hat Enterprise Linux, FreeBSD

EDUCATION

Ontario Tech University

Honours Bachelor of Science in Computer Science

Oshawa, ON

2022 – Present

EXPERIENCE

Software Developer – IBM

Jan. 2026 – Present

Markham, ON

Hybrid

- Built and shipped features across the **full stack** of an AI-powered sales enablement platform, spanning backend APIs, task orchestration, database migrations, frontend, and cloud infrastructure.
- Integrated **watsonx** foundation models into platform workflows, including **RAG pipelines**, real-time LLM-driven internationalization, **vector-based semantic search**, and prompt engineering for AI-assisted content tooling.
- Led **multi-repository integrations** across internal platform services, designing shared API contracts and decoupled dependencies built for maintainable service-to-service evolution, consumed by engineering teams across the organization.
- Deployed to IBM Cloud with full operational visibility, shipping feature releases, performance fixes, **outage resolution**, and **data migrations** across staging and production environments.
- Collaborated with non-technical stakeholders to scope, build, and iterate on **client-facing** tailored AI tools and internal workflows, translating business requirements into delivered systems with continuous revision cycles.

IT Technician – Canada's Wonderland

Jun. 2023 – Jan. 2026

Vaughan, ON

On-site

- Supported pre-cutover **tenant-to-tenant migration** during Six Flags acquisition for 3,000+ directory objects, including **hybrid Azure AD/on-prem onboarding**, OU staging, and **Ivanti Neurons UEM** rollout.
- Authored 10+ **PowerShell/ConnectWise** scripts automating workstation imaging, printer/DFS drive mappings, and user profile migrations.
- Built and deployed **MDT** task sequences and Sysprep-captured **WIMs** for Windows fleet provisioning.
- Managed **Active Directory** accounts, security groups, and **GPOs**, ensuring consistent ACL enforcement across **Exchange**, **SharePoint**, and internal apps.
- Configured **CUCM**, **Unity**, and **Finesse** to optimize VoIP routing, voicemail for call center operations.
- Performed network maintenance including switch patching, **VLAN tagging**, trunking, and **PoE resets** via **SSH** in PuTTY.
- Deployed and supported **Oracle Symphony/EMC POS**, debit, and KDS systems, with rollouts tracked in **Jira/Confluence**.

System Support Specialist – Mackenzie Health

Jan. 2023 – Aug. 2023

Richmond Hill, ON

On-site

- Migrated 400+ **Surface tablets** to bedside **iPads**, leveraging **Intune** and **Jamf Pro** for secure deployment across clinical units.
- Developed internal **admin portal** for managing app services, user roles, and subscription lifecycles.
- Implemented **Vocera VOIP** on iPhones to enable real-time communication across ER and nursing staff.
- Coordinated with vendors on bug logs, updates, and hardware issues, ensuring minimal downtime for critical hospital devices.

PROJECTS

- Sunnify Spotify Downloader** | *PyQt, yt-dlp, FFmpeg, GitHub Actions, Sigstore, Next.js* 🌐 🔄 2024 – Present
- Creator and lead maintainer of a cross-platform Windows/macOS/Linux app with **20,000+ downloads**; reverse-engineered Spotify's web player to pull full **1000+ song** playlists with **no login, account, or API key** by parsing its hidden `__NEXT_DATA__` payload and reusing its anonymous access tokens.
 - Built the **PyQt** client to download with **4 workers in parallel** while staying responsive, with thread-safe UI updates and disciplined background-thread management for stability under load.
 - Engineered the audio engine on **yt-dlp** and **FFmpeg** across **5 formats**, with titles, artwork, and tags (**ID3**, MP4, Vorbis) formatted to display correctly on phones, cars, and desktop players, plus logging that pinpoints why any download fails.
 - Secured the release pipeline to **SLSA Build Level 3**, a supply-chain security standard most production companies never reach, so every download ships with a tamper-proof, cryptographically signed proof of authenticity (**Sigstore**, software bill of materials, automated vulnerability scanning).
 - Automated the entire build-and-release flow with **GitHub Actions** to **Homebrew** and one-click Windows/Linux installers, plus a companion **Next.js** web app, grown purely through user-reported issues to **200+ stars**.
- ATS Screener** | *SvelteKit 2, Svelte 5, TypeScript, Firebase, Vercel, pdfjs-dist, mammoth.js* 🌐 🔄 2026 – Present
- Built an open-source ATS simulation platform that scores resumes against **6 enterprise systems** (Workday, Oracle Taleo, iCIMS, Greenhouse, Lever, SAP SuccessFactors), each modelled from vendor documentation with its own parser strictness, keyword strategy (exact/fuzzy/semantic), and calibrated thresholds.
 - Served **1,500+ users** in the first 24 hours of launch and zero marketing spend, built as a free alternative to paywalled ATS checkers.
 - Engineered a dual-mode scoring engine: **Gemma 3 27B** as primary LLM analysis with a deterministic rule-based fallback for **100% uptime**, plus a multi-provider chain (Gemma → **Llama 3.3 70B** via Groq) with IP rate limiting and **Zod** validation.
 - Implemented privacy-first **client-side parsing** via **pdfjs-dist** (PDF) and **mammoth.js** (DOCX); resume files never leave the browser, only extracted text reaches analysis.
 - Authored full documentation on an **Astro Starlight** site (15+ pages) covering platform deep-dives, scoring methodology in **LaTeX** notation, API reference, and self-hosting guides.
- Axelot** | *Next.js 16, TypeScript, Firebase, TipTap 3, Yjs, STUN/ICE/WebRTC* 🌐 🔄 2025
- Built a real-time collaborative knowledge platform with **Next.js 16**, **React**, **TipTap 3**, and **Yjs** CRDTs over P2P **WebRTC** (**STUN** for NAT traversal), supporting multi-user editing, presence cursors, and conflict-free syncing.
 - Designed secure auth and data layers using **NextAuth v5**, Google/GitHub OAuth, email/password login, **Firestore** adapter, **bcrypt** hashing, and Firebase custom tokens for least-privilege client SDK access.
 - Implemented AI-assisted editing via **OpenRouter**-backed Next.js API routes for streaming completions, text transforms, and autocomplete wired directly into TipTap commands and toolbar UX.
 - Shipped production-ready infra with **Vercel** deployment, a Firestore-backed trending algorithm invoked by **Vercel cron**, and a multi-stage **Docker** pipeline using Next.js standalone output for minimal runtime images.

CERTIFICATIONS

- IBM RAG and Agentic AI Specialization** Issued: Feb 2026
- Skills: RAG Architectures, Vector Databases, LangChain, Agent Design, Tool Calling, Prompt Engineering
- Microsoft Full-Stack Developer Specialization** Issued: Feb 2026
- Skills: Full-Stack Architecture, ASP.NET Core, React, REST APIs, Authentication, Cloud Deployment
- Microsoft GH-300: Github Copilot Intermediate** Issued: Oct 2025 – Expires: Oct 2027
- Skills: Prompt Engineering, Copilot API Architecture, Secure-Org Policy, Enterprise AI Integration, Workflows
- GitHub Foundations** Issued: Sep 2024 – Expires: Sep 2027
- Skills: Version Control Tools, Git, CI/CD, Repository Management
- ConnectWise Automate — Certified Enterprise Scripting Architect** Issued: Aug 2024
- Skills: RMM, Automation, PowerShell, Windows Server, Enterprise Architecture, ConnectWise Automate