

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

Oshawa, ON

Honours Bachelor of Science in Computer Science — Expected Graduation: April 2026

2022 – Present

EXPERIENCE

IT Technician – Canada's Wonderland

Jun. 2023 – Present

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 **Cisco 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.

Tech Sales Associate (Co-op) – Staples Canada

Sep. 2020 – Feb. 2021

Richmond Hill, ON

On-site

- Performed on-site installs, repairs, and optimizations for **Windows**, **Mac**, and **Linux** systems.
- Maintained accurate sales/inventory data in **IBM AS/400**, streamlining workflows and customer support.

PROJECTS

Axelot | *Next.js 16, TypeScript, Firebase, TipTap 3, Yjs, WebRTC* ([Live Demo](#)) ([GitHub Repo](#))

2025

- Built a real-time collaborative document and knowledge platform with **Next.js 16**, **React**, **TipTap 3**, and **Yjs** CRDTs over **WebRTC**, 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, **Firebase** 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.

Netdash – Networking Toolbox PWA, WCAG2.2, API Integration (Live Demo)	2025
<ul style="list-style-type: none"> Engineered a production-grade networking toolkit with 15+ tools for subnetting, VLSM, IP conflict detection, and vendor configuration generation. Implemented RTT measurement via Performance API, WebSocket port scanning, DNS-over-HTTPS with TTL-aware caching. Developed RFC-compliant IPv4/IPv6 algorithms, regex-based parsers for various formats (ARP tables, DHCP leases), and multi-vendor ACL/routing config generators. Secured offline-first PWA with AES-GCM encryption, PBKDF2 key derivation, and encrypted IndexedDB persistence, meeting WCAG 2.2 AA. 	

SecureBank – CTF Banking App XSS Injection, SQLite, cookie-signature, Docker (GitHub Repo)	2025
<ul style="list-style-type: none"> Built a deliberately vulnerable banking simulation for Capture The Flag training, focused on SQL injection and privilege escalation. Designed exploit paths (raw query interpolation, single/double URL encoding, hidden admin portal) to teach secure coding by example. Implemented core features: transaction search/filter, feedback system, and admin dashboard with live DB console and security logs. Backed by normalized SQLite schema and session handling via cookie-signature, dockerized with structured challenge docs. 	

Sunnify Spotify Downloader React, Flask, FastAPI, WSGI (GitHub Repo)	2024
<ul style="list-style-type: none"> Built a Spotify playlist downloader (web & desktop) with Python-based APIs and a React frontend. Integrated BeautifulSoup and Selenium for scraping, FFmpeg for audio conversion, and Mutagen for ID3 tagging. Deployed backend on AWS Lambda and Elastic Beanstalk with Gunicorn for scalable performance. 	

KnifeThrow Arcade Game Java, Swing (GitHub Repo)	2022
<ul style="list-style-type: none"> Java Swing 2D arcade mini-game (~5,000 LOC) with custom sprites, menus, collision detection, and particle animations. Added sound effects, game-over states, and shop mechanics for unlockable knives. 	

CERTIFICATIONS

Microsoft GH-300: Github Copilot Intermediate	Issued: Oct 2025 – Expires: Oct 2027
<ul style="list-style-type: none"> Skills: Prompt Engineering, Copilot API Architecture, Secure-Org Policy, Enterprise AI Integration, Workflows 	
MongoDB Python Developer Path	Issued: Feb 2025
<ul style="list-style-type: none"> Skills: PyMongo, NoSQL Schema Design, Data Aggregation, MongoDB Query Optimization 	
GitHub Foundations	Issued: Sep 2024 – Expires: Sep 2027
<ul style="list-style-type: none"> Skills: Version Control Tools, Git, CI/CD, Repository Management, SAP Workflow 	
ConnectWise Automate — Certified Enterprise Scripting Architect	Issued: Aug 2024
<ul style="list-style-type: none"> Skills: RMM, Automation, PowerShell, Windows Server, Enterprise Architecture, ConnectWise Automate 	
Google IT Automation with Python	Issued: Mar 2023
<ul style="list-style-type: none"> Skills: Google Cloud Platform, Configuration Management, Python, Version Control Tools, Putty/FileZilla 	