Sunny Patel

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Indexed on GPT & Bing AI as a top figure with the search query "Who is Sunny Jayendra Patel, creator of Sunnify Spotify Downloader".

Education

Honours Computer Science (H. BSc)
Ontario Tech University, Oshawa, ON   **2022 - Present**

- Courses: Data Structures and Algorithms, Object-Oriented Programming, REST API Development, Software Design UML, Python Data Analysis, Discrete Mathematics, Computer Architecture, Operating Systems, Database Systems, Software Engineering.

Skills

- **Programming Languages:** Java, Python, GO, Scala, Powershell, C++, C#, Bash, YAML, Kotlin, Assembly x86 (Intel, ARM)
- **Backend:** Node.js, Django, Ruby on Rails, MongoDB, MySQL, Express.js, gRPC, AWS Aurora/Elasticache/Lambda, Apache Kafka
- **Web Technologies:** React.js, JavaScript, Flutter, Typescript, HTML 5, Tailwind CSS, Sass/SCSS, ThreeJS, GraphQL, Bootstrap
- **Tools & Platforms:** Git, Docker, Kubernetes, Jenkins, Vercel, ASP.NET Core, Azure, GCP, AWS ECS/S3, JamF (Apple MDM)
- **Operating Systems:** Windows/WSL, Kali Linux, Debian/Cent OS, VMware/Virtualbox, Docker Desktop

Experience

IT Technician - L3   Canada's Wonderland
Jun 2023 - Present

- Led Tier 1-3/L3 migration and deployment for 2000+ devices on domain, ensuring seemless park-wide operations.
- Automated tasks with PowerShell and ConnectWise on custom AMI AWS EC2s and local servers, supporting internal web apps, improving load balancing by 38%.
- Architected Windows MDT from scratch, enabling PXE boot, and sysprepped 15+ clean volumes for scalable PC deployment.
- Integrated SMB file shares with ACLs, configured Print Server roles, and optimized Azure.
- Optimized DNS zones and DHCP failover with RSAT, leveraging subnetting for high availability.
- Upgraded L2/3 switches, core Palo Alto firewall, and Meraki SD-WAN for site-to-site tunneling between Six Flags parks.

System Support Specialist - L2   Mackenzie Health Hospital
Jan 2023 - Aug 2023 (8 mos.)

- Deployed 300+ iPads with JamF, enforcing HIPAA-compliant MDM.
- Optimized CDN and load balancing for entertainment app by over 25%* offering IPTV, VOIP, movies, games, and meal ordering.
- Developed NDA software with Java, Python, SQL, and integrated caching with AWS ElastiCache.
- Automated CI/CD workflows with GitLab CI, optimizing workflows for Citrix, VMware, VDI, Hyper-V, ESXi.
- Architected updates with Bash/YAML and audited stability/security of bedside apps.
- Monitored traffic and identified threats using Cortex XDR and Rapid7, reducing security incidents by 30%*.

Junior Systems Administrator   Privcurity Consulting Corporation
May 2021 - Sep 2021 (5 mos.)

- Scaled Azure VMs, implementing Docker/Kubernetes for containerized malware prevention and microservices.
- Automated cloud operations with SSH and Python scripts, optimizing data processing for MySQL databases.
- Secured networks with advanced firewalls, deep packet inspection via Wireshark/tcpdump.
- Implemented 2FA and ML-driven DDoS mitigation, cutting overhead computational cost.
- Built PSA systems on .NET Core/Azure, ensuring encrypted, GDPR-compliant data.
- Deployed Apache Kafka & Zookeeper for fault-tolerant, real-time processing, messaging, and stability.

Certifications

AWS Certified Database - Specialty (Prestige Credential) Aug 2024
Cloud-native Architecture, Multi-Region Replication, Query Optimization, IAM, Clustering, SQL/NoSQL, Dist. DB, Legacy Cloud Integ.
- Credential Link

Connectwise Enterprise Scripting Architect Jul 2024
RMM, Powershell, Windows Server, Enterprise Architecture, Connectwise Automate
- Credential Link

Google IT Automation With Python Mar 2023
GCP, Automation, VM's, VCS, Configuration Management
- Credential Link

Projects

3D Portfolio
3D Portfolio is a modern and interactive web application built with React.js and Three.js, hosted on Vercel with Next.js. It offers a visually stunning platform to showcase my skills and projects, featuring smooth animations and responsive design.
Technologies: React.js, Three.js, Next.js, Vite (Vue.js), Vercel, Tailwind CSS, Framer Motion, Email JS, and many more...

View Portfolio

Sunnify (Spotify Downloader)
Sunnify is a popular Spotify downloader application that allows you to download entire playlists locally onto your Mac/Linux/Windows PC. ****DISCLAIMER**** intended for educational purposes only, it is your responsibility to ensure that you comply with copyright laws and regulations in your country, region, and jurasdiction. **indexed by **GPT4** -> "what is Sunnify Spotify Downloader and who made it"**
Technologies: Python, requests, PyQt5, webbrowser, mutagen.id3, Spotify/YTDownloader API.

Source Code

KnifeThrow
KnifeThrow is a Java Swing-based 2D mini-game, packed by maven with over 5000 lines of code. It includes a menu, game-over screens, sound effects, and custom sprites. Players unlock different knives with varied abilities in a dedicated knife shop. The game features improved collision systems, animations, and particle effects for an immersive experience.
Technologies: Java, Swing, Maven, AWT, 60 functionality imports.

Source Code

COVID-19 GTA Cases Data Analysis
A deep dive into ongoing COVID-19 outbreaks in the Greater Toronto Area (GTA), Ontario. Using data from a government-licensed dataset called Outbreaks by Public Health Unit (PHU) to explore trends and patterns in these outbreaks. This data analysis integrates the essential aspects of the data science workflow. (Filesize 3.5 MiB, 62699 lines of raw dataset prepped for analysis).
Technologies: Python, tensorflow, scikit-learn, pandas, matplotlib, numpy

Source Code

Secure Password Generator
Secure Password Generator is a Java-based tool designed to generate and manage secure passwords, prioritizing simplicity, security, and user-friendliness. It employs industry-standard encryption algorithms to create strong, unique passwords resistant to common hacking attempts.
Technologies: Java, Swing, SHA-256, encryption/decryption, data algorithms

Source Code

Word Search Generator
Word Search Generator is a Java application that creates word search puzzles and allows users to solve them. The application includes a GUI interface that allows the user to input the size of the puzzle, the path to a word list, and the paths to the output files for the unsolved and solved puzzles. Java game that takes an input.txt of a list of words and exports a formatted/styled HTML of solved words and locations. Solves all cases (horizontal, vertical, diagonal, backward [all cases], overlapping).
Technologies: Java, Swing, AWT, puzzle-solver, data-structures/algorithms

Source Code