Michael Sanchez

Python Developer | Full Stack Engineer (AI & Cloud Applications) | US Citizen | Chicago, IL |
(803) 917-7833 | mjs070594@gmail.com
LinkedIn | Github | Portfolio Site

TECHNICAL SKILLS

Programming & Frameworks: Python (FastAPI, Flask), JavaScript (ES6+), TypeScript, Node.js, React, Next.js, Java (Spring)
AI & Data Tools: Pandas, NumPy, LangChain, OpenAI API, Pydantic, JSON Schema
Cloud & DevOps: Azure, AWS (RDS, EC2), Docker, Terraform, Red Hat OpenShift, Netlify, Vercel
Databases: MySQL, PostgreSQL, MongoDB, Redis, Azure Database Services
APIs & Backend: REST, GraphQL, Apollo Client, Webhooks, Authentication
Testing & Version Control: Git/GitHub, Jest, Postman, CI/CD (GitHub Actions)
Tools & Platforms: n8n, Figma, Stripe API, Target Process

PROFESSIONAL EXPERIENCE

Accenture | Packaged App Developer   October 2023 - Present || Chicago, IL
A global professional services company that helps businesses, governments, and other organizations improve their performance
- Owned end-to-end documentation for a large-scale IBM Maximo Application Suite (MAS) upgrade, creating runbooks and deployment guides that reduced onboarding time for new engineers and minimized configuration errors.
- Assigned and tracked deployment tasks in Target Process, ensuring environment setup and dependencies were completed on schedule across cross-functional teams.
- Led user provisioning process: created accounts, generated secure credentials, and communicated access details to 50+ end users across multiple environments, reducing login-related escalations.
- Applied and managed security certificates across test and production environments, ensuring compliance with enterprise cloud security standards.
- Troubleshot access and environment issues for client users, cutting average resolution time by proactively documenting fixes and recurring issues
- Collaborated with senior engineers on Azure and OpenShift infrastructure setup, contributing to successful deployment and testing cycles across multiple environments.
  TECHSTACK: IBM Maximo, Microsoft Azure, SQL, Red Hat OpenShift, Terraform, Python, Jython

Kinetic Footwear, LLC | Full Stack Developer (Freelance) | Github Demo | Live   May 2022 - Present || remote
An ecommerce startup that sells a usb/charge-able sneaker with every step
- Developed a responsive static website for showcasing key concept ideas of the shoe, which received positive feedback from users via an interest form.
- Led the design and development of the homepage for a static shoe website, incorporating seamless page transitions and engaging animations using Framer Motion library.
- Implemented recurring updates through the MailChimp platform, we were able to improve user retention by 15% and saw a 20% increase in engagement from users who received the updates.
- Collected and analyzed survey data using form tags by storing data and exported to a Google Sheet for easy collaboration, resulting in a more efficient data analysis process and improved decision making.
- Collaborated with clients to define feature requirements, gather assets, and create mockups/wireframes; Organized weekly design meetings with the Kinetic Footwear leadership to address needs and requirements.
  TECHSTACK: React JS, Framer Motion, React Bootstrap, Google Sheets API, HTML, CSS, Javascript, Netlify

SOFTWARE PROJECTS

Python Music File Management Agent | (Personal Project) | Github Demo
*Built a **Python-based agent** that detects and renames duplicate MP3s using file-hashing and ID3 tags, keeping large music libraries organized and error-free.*
- Scanned and cleaned 200+ MP3s in under 10 seconds, identifying duplicates with MD5 hashing + smart filename heuristics.
- Automated renaming of tracks into a consistent Artist – Title format, improving folder readability by >98%.
- Designed a Safe Trash system to move duplicates into timestamped folders, ensuring zero data loss.
- Logged every operation into structured JSON + TXT reports for full transparency and debugging.
- Integrated AI-assisted tagging and smart renaming using the OpenAI API, enabling intelligent filename suggestions and cleaner library organization.
  TECHSTACK: Python, Mutagen, Pydantic, JSON, CLI, File System Automation, OpenAI API

EDUCATION

Coding Dojo   July 2022 - October 2022
Python, MERN, Java   Online

Midlands Technical College   August 2016 - May 2019
Associates Degree in Dental Hygiene   Columbia, SC