

ISTAFA ANTHONY MARSHALL

AI Engineering Apprentice | Python, Pandas, React | Flatiron School Full-Stack Graduate

Holtsville, NY • istafamarshall@me.com • (631) 690-7485 • istafamarshall.com

SUMMARY

Full-stack software engineer with 15+ years of operations leadership now advancing into AI Engineering through hands-on Python and data work. Coordinates 20+ real-time emergency service requests nightly while building EDA and ML pipelines (Python, Pandas, scikit-learn) through Flatiron School's AI Engineering apprenticeship, including a wildfire-severity model comparing regression, regularization, and classification approaches. Ships production features in Ruby on Rails, React, and Next.js, and previously led a team of 10 field technicians to 32%+ gross profit margins as a Territory Manager.

TECHNICAL SKILLS

Data / AI: Python, Pandas, NumPy, scikit-learn, statsmodels, Jupyter, EDA, regression & classification modeling

Languages: Ruby, Python, JavaScript, TypeScript, SQL

Backend & APIs: Ruby on Rails, REST API design & integration, OOP, design patterns, unit & integration testing

Frontend: React, Next.js, HTML/CSS

Data Storage: PostgreSQL, MySQL, relational schema design

Cloud & DevOps: Google Cloud Platform (GCP), Vercel, Docker (exposure), Git, CI/CD concepts, Agile workflows

PROJECTS

Forest Fire Risk Modeling

Jun 2026

forest-fires-ml-lab.vercel.app

- CRISP-DM machine learning project analyzing wildfire severity: baseline regression, Ridge/Lasso regularization, and a logistic regression classifier (~77% accuracy) with residual diagnostics (Cook's Distance) and VIF multicollinearity checks. Python, Pandas, statsmodels, scikit-learn.

Pause TeeVee

2026 – Present

pausetv.app • Live on the App Store (iPhone, iPad, Apple TV)

- Cross-platform, content-neutral media player (React Native, Expo, TypeScript) shipped as a universal app on the Apple App Store and sideloadable on Fire TV Stick; built and maintained playback, connectivity, and device-compatibility handling across platforms.

EXPERIENCE

AI Engineering Apprentice

Jan 2026 – Present

Flatiron School | Remote

- Built EDA and ML pipelines (Python, Pandas, scikit-learn) across two applied projects — a 20,000-record loan-approval classification model and a wildfire-severity model comparing regression, Ridge/Lasso regularization, and logistic regression (~77% classification accuracy).
- Develop full-stack REST API integrations (Next.js) and apply OOP design patterns in a production-style team apprenticeship curriculum.

On-Call Emergency Services Lead

Apr 2022 – Present

W Services Group | Remote

- Coordinate 20+ real-time emergency service requests nightly across national multi-site markets, managing SLA triage, vendor dispatch, and the full purchase-order lifecycle.

Freelance Software Engineer

May 2022 – Feb 2026

Independent | Remote

- Designed and built full-stack web applications (React, Ruby on Rails, PostgreSQL) for freelance clients over 3+ years, owning architecture through deployment (GCP/Vercel) and post-launch fixes.

Software Developer Intern

Jul 2024 – Sep 2024

AscentUp | Remote

- Built and deployed “More Than a Lunch,” a production web application, end-to-end from client requirements through launch — architecting front-end and back-end components and integrating third-party APIs.

Territory Manager

Feb 2019 – Apr 2022

Protek of NY | Plainview, NY

- Led a team of 10 field technicians across an industrial HVAC, refrigeration, and commercial-kitchen-equipment territory, driving monthly gross profit margins exceeding 32% through routing optimization and performance management.

EDUCATION

AI Engineering Immersive, Experience Developer Track

Jan 2026 – Mar 2027

Flatiron School | New York, NY

Software Engineering Certificate

May 2022 – Jun 2023

Flatiron School | New York, NY

Certified Cisco Networking Administrator

Sep 2016 – Jun 2018