

# Jermol Jupiter Jr.

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## Professional Summary

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Full-stack Software Engineer with 10+ years of experience in Python, LLMs/ML, web frameworks, AWS, and data-heavy ETL workflows. I design scalable systems optimized for high data integrity and availability, while integrating AI and business logic to create meaningful impact. Skilled in DevOps and MLOps workflows including CI/CD, automated testing, and IaC, I deliver secure, production-ready applications that align with business goals and operational needs.

## Technical Skills

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Python, LLMs, FastAPI, Django, Flask, TypeScript, React, Next.js, REST APIs, AWS Lambdas, AWS Step Functions, AWS SageMaker, AWS S3, AWS ECS, AWS ECR, AWS Bedrock Knowledge Bases, AWS RDS, AWS SQS, AWS CloudTrail, Web3.py, GraphQL, Kubernetes, JavaScript, Git, Docker, Celery MySQL, PostgreSQL, Gremlin, LangChain, Hugging Face, Pydantic, Swift

## Relevant Work Experience

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ShootStrayt | remote

Feb 2025 – Present

### Software Engineer

Used Python, Django, NextJS, REACT, and AWS infrastructure to build an Online sales platform for selling trading cards, running ML pricing models, and building infrastructure for onboarding third-party sellers.

- Designed and implemented a game-agnostic Django REST API with modular serializers, enabling seamless integration of multiple TCGs into a unified sales and inventory system
- Built a high-performance Next.js frontend with dynamic filtering and caching, serving thousands of cards and images with sub-second load time
- Engineered scalable background processing with Celery and Redis to handle inventory syncs, cart sessions, and automated data ingestion, ensuring fault-tolerant and real-time system reliability

Aussie Capital | remote

Feb 2023 – Apr 2024

### Software Engineer

Used Python, FastAPI, Web3.py, and an AWS pipeline to develop software focused on blockchain transaction analysis, analytics on consumer habits, and creating comprehensive visual dashboards. Introduced Snowflake to analyze large datasets before ML ingestion, enabling scalable, real-time data insights.

- Designed and built the initial infrastructure using Django, AWS SageMaker, S3, SQS, and Lambdas to facilitate the asynchronous analysis of millions of blockchain transactions and visualizations of key metrics
- Containerized a Telegram bot using AWS infrastructure to manage its deployment, resulting in a multi-purpose Generative AI bot that serviced members with zero downtime
- Used a K-means clustering algorithm on AWS SageMaker to identify patterns in client transactions, followed by an LLM via AWS Bedrock for labeling and summarization – yielding new insights that shaped development strategies

**Software Engineer**

Used Python, Web3.py, FastAPI, Docker, ML models, built integrations tests, and more to improve company productivity, debug and test code, and drive sales. Researched and presented potential investments to stakeholders, and worked with clients as a pre-launch advisor.

- Helped improve team efficiency by over 40% by spotting slow points in our workflow and building custom bots with Python, FastAPI, and Docker to automatically deliver investment-related information to customers
- Developed token-tracking software using K-means clustering and a XGBoost ML models to monitor presale investor activity, gaining insights into investor patterns – resulting in a product to advise clients, increasing AUM by 15%
- Lead the development of an incubated project, earning major awards and securing partnerships to enable carbon offset solutions for digital assets and financial services

**Software Engineer**

Played a pivotal role in strategizing for sales growth, identifying process inefficiencies, and developing Python-based frameworks (Django, RESTful APIs, ML models) and AWS to improve business efficiency, earning a 5% ownership stake in the company as recognition of my contributions over the years.

- Used an XGBoost ML model to adjust prices on website, eBay, and Amazon using historical sales data, competitor pricing, and market trends – creating real-time pricing strategies that maximized profit and volume
- Built software using AWS infrastructure that hooked into online platforms like Amazon, Ebay etc., and dynamically listed products based on signals of which site yielded higher returns – resulting in a 25% increase for online sales
- Used Django, Python, and JavaScript (React) to create a responsive website that made sales processes smoother and helped analyze customer behavior – leading to a ~20% bump in both efficiency and sales

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**ADDITIONAL INFORMATION**

**Soft Skills:** Research & Innovation, Strong Leadership Skills, Problem Solving, Data Analysis, Strong Communication Skills, Creativity, Adaptability, Test–Driven Development, Logic and Object–Oriented Design

**Interests:** Chess, Tennis, Game Theory Poker