Jermol Jupiter Jr.

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Professional Summary

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

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

Relevant Work Experience

Adaptify Talent | https://adaptifytalent.com   Apr 2025 – present

Founder / CTO | Using AWS, LLMs (Large Language Models), Django (backend), and Node.js/React (frontend) to build an application for automating and scaling the candidate–screening process. Designing dashboards, repository analysis tools, and database connection APIs to efficiently handle and visualize relevant data.

- Using LLMs to dynamically generate assessments from job descriptions – delivering real–time questions, and adapting difficulty based on responses – short–listing high–quality candidates with minimal effort

- Developing a tool to analyze users' GitHub repositories and surface non–technical insights on coding proficiency, test coverage, open–source collaboration, and adherence to modern standards

- Creating a dashboard that transforms candidate–resume knowledge graphs into interactive clusters with drill–down capabilities, allowing recruiters to pinpoint skill gaps and trends in their database

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 analyze and identify patterns in clients' transactional histories, followed by a Generative AI model hosted on AWS Bedrock for labeling and summarization, which provided new analytical insights that informed development strategies and shaped client advisory services

Gains Associates | remote   Feb 2021 – Jan 2023

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 XGBoost ML algorithms to monitor presale investor activity, gaining valuable insight into investor patterns–using that information as a product to advise clients, which increased 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

MTGFirst Game Center | Glen Burnie, MD   Dec 2013 – Nov 2020

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 XGBoost ML model to adjust product prices on website, eBay and Amazon based on historical sales data, competitor pricing, and market trends, creating real–time pricing strategies that maximized profitability and sales volume

- Built software using AWS infrastructure that hooked into online platforms such as Amazon, Ebay etc., and dynamically listed products based on signals of which site yielded higher returns, resulting in a 20% 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.

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