Dinesh P.

Python AI/ML + AWS Developer

Summary

- 3+ years of experience in Python with frameworks such as FastAPI, Django, and Flask, building backend systems to support AI-driven and agent-based workflows

- Strong proficiency in Object-Oriented Programming (OOP), REST API design, async processing, and testing frameworks for production-grade AI systems

- Hands-on experience integrating LLMs such as OpenAI and ChatGPT into intelligent agent workflows involving reasoning, planning, and tool usage

- Expertise in designing and implementing RESTful APIs, backend services, and third-party integrations to enable autonomous and semi-autonomous AI agents

- Solid understanding of message-driven and event-driven architectures, containerization, and microservices for building scalable and fault-tolerant Agentic AI systems

- Experience working with relational and non-relational databases including MySQL, PostgreSQL, MongoDB, Redis, and vector-friendly data stores for agent memory and context

- Well-versed in development tools and processes including Docker, GitLab CI/CD, Travis CI, Git workflows, Agile practices, CI/CD pipelines, and test-driven development

- Skilled in analyzing business and product requirements to design customized Agentic AI and cloud-native solutions aligned with organizational goals

- Experience designing and deploying backend and AI-powered systems across Healthcare, FinTech, Real Estate, and Legal domains

- Quick learner with a strong aptitude for understanding new technologies, Agent Core frameworks, and making independent technical decisions

- Creative and innovative thinker with a proactive approach to problem-solving, bringing energy and clarity to complex AI system design challenges

- Strong analytical, troubleshooting, and communication skills with experience collaborating across product, ML, and DevOps teams

Technical Skills:

Programming Languages	Python, JavaScript
Frameworks	FastAPI, Flask, Django, LangChain, LangGraph
Databases	MySQL, Postgresql, MongoDB
Project Management tools	Trello, Asana, Slack, JIRA
Tools	Adobe XD, Adobe Photoshop, Postman, Source Tree, Cloudwatch
Web Technology	HTML5, CSS3
Operating System	macOS, Linux
Version Control	Git (GitHub, BitBucket, GitLab)
Cloud/Server Knowledge	Lambda, S3, EC2, Docker, RDS, Step Function
Caching	Redis

Major Projects

Project Finder

Duration: ~1 Year

Project Finder is a solution for construction project sales. It seamlessly combines a slick SaaS sales system with constantly updated project intelligence to create an efficient digitized project sales process. Users can track various projects and companies, get information about latest updates on projects, and get contact information of relevant contact persons. System provides seamless integration with various CRM systems to sync data and make appropriate follow ups.

Responsibilities:

- Developed and maintained RESTful APIs using FastAPI, ensuring high performance and scalability
- Designed and implemented complex database schemas using PostgreSQL to support web applications
- Collaborated with front-end developers and product managers to deliver seamless integrations with third-party APIs
- Conducted rigorous testing of back-end services using PyTest and UnitTest, improving code reliability
- Sprint planning and backlog grooming
- Providing technical solution to team member if they are stuck with implementation
- Solution Designing using Microservice based Architecture
- Lead third party integration implementation
- Team member code review

Technology: FastAPI, Postgresql, Redis, OpenSearch, LogStash

Trading Platform

Duration: ~1 Year

First platform in Europe and one of the firsts worldwide with a primary and secondary market for security and hybrid tokens. This platform provides a decentralized exchange with the possibility to create liquidity pools and market making for the secondary market. Using the power of the blockchain technology where one can tokenize assets or combine traditional financial instruments with innovation. Issuers can collect funds using both fiat and cryptocurrencies. With the power of smart contracts, Issuers can easily collect funds, manage rewards and payments to their investors, keep updated registries of the token holders or easily manage large vote castings (as shareholders' meetings).

Responsibilities:

- Designed and implemented RESTful APIs using FastAPI, improving data accessibility and enhancing system modularity.
- Developed and maintained web applications, where users can purchase tokens.
- Acted as a subject matter expert on trading concepts, assisting in the development of algorithmic trading strategies.

- Led a team of developers in the successful deployment of Web3.0 solutions, enabling seamless data sharing and collaboration.
- Received recognition for consistently meeting project deadlines and exceeding performance goals.

Technology: FastAPI, Microservices, React, Stripe, Postgresql, S3, EC2, Redis, OAuth

Alezan AI

Website link: https://www.alezan.ai/

Duration: ~1 Year

Alezan platform analyzes video content and identifies objects from the stream for making decisions about racing in real time. It provides inputs based on various parameters analyzing current and past frames data using machine learning algorithms

Responsibilities:

- Planning and coordination with stakeholders
- Effort Estimation & Project Plan
- Solution Designing
- Code Review
- API Development and Integration
- Leading and guiding development team
- Leading and guiding DevOps team
- Troubleshooting and helping the team for technical issues

Environment: VSCode, Git, Linux, Mac, AWS

Technology: Python, MongoDB, S3, Lambda, Socket

Education

Gandhinagar Institute of Technology
Bachelor of Engineering
Mar 2018 - Apr 2022