Senior Software Engineer – Dmitry

Education: Master Degree – Information Systems and Technologies **Languages:** English – B2 **Domains:** FinTech Generative AI Sales & Marketing	I am a Senior Software Engineer with over 7 years of experience in backend and full-stack development. I specialize in building AI-powered systems, particularly those leveraging LLMs for document processing, RAG pipelines, and multi-agent orchestration. My technical toolkit includes Python, FastAPI, OpenAI APIs, and PostgreSQL, among others. I have strong experience in integrating advanced NLP models such as Whisper and DeepFace, and have contributed to projects spanning education, finance, and enterprise productivity. I'm also experienced in mentoring teams and translating business needs into robust GenAI-driven applications.

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Overview

Hard Skills

Backend Python, Django/Django REST, FastAPI, Flask, Celery, SQLAlchemy, BeautifulSoup, WebSockets, AioHTTP, OpenAI API, LlamaIndex, Apache Tika, Whisper, DeepFace, MCP, Multi-agent systems
Frontend Tech JavaScript, TypeScript, React.js, Next.js, Redux, MobX, AntD, Material UI, SCSS/CSS, HTML, AG Grid
Databases & Other PostgreSQL, pgvector, MySQL, Redis, MongoDB, ElasticSearch, LogStash, Kibana

Architecture	
MVC, Clean Architecture, Microservices, SOLID, DRY	
DevOps	
Docker, Kubernetes, GitLab CI/CD, AWS Cloud, Azure Cloud, AWS Serverless, AWS Lambda	
Communication APIs	
RedSMS API, Twilio API	
VCS	
Git, GitLab, Bitbucket, GitHub	

Projects & Experience

Project 1

Overview
Multi-Agent Project Monitoring System

Role
Senior Software Engineer

Duration
Nov 2024 - Present

Responsibilities

- Developed backend features for multi-agent task validation and contextual search.
- Integrated OpenAI APIs and SmolAgents.
- Created RAG components with LlamaIndex and pgvector.
- Used Apache Tika for document parsing.
- Collaborated on DB modeling, code reviews, and technical planning.

Tech Stack:

Python, FastAPI, Celery, OpenAI, SmolAgents, MCP, LlamaIndex, Apache Tika, PostgreSQL, pgvector, k3s

Project 2

Overview
Tool for analyzing lesson videos in schools—detecting session timing,

Role
Senior Software Engineer
Duration
Nov 2023 – Nov 2024
Responsibilities:
- DB design, video processing with Celery tasks.
- Speech-to-text with Whisper and emotion detection with DeepFace.
- RTSP stream handling, documentation, and process planning.

Tech Stack:
Python, FastAPI, Celery, LLM, Whisper, DeepFace, vLLM, RTSP

Project 3

Overview
Cloud platform for financial advisors using ML to process real-time content feeds.

Role
Senior Backend Developer

Responsibilities:
- Implemented recommender systems, REST APIs, business logic.
- Led subsystem design and architecture planning.
- Mentored team, handled documentation and monitoring setup.

Tech Stack:
Python, Django REST, FastAPI, SQLAlchemy, PostgreSQL, Celery, Redis, BeautifulSoup4, Next.js, Docker, Azure, ELK

Project 4

Overview

App for teachers to scan, analyze, and auto-grade handwritten student work

Role

Senior Software Developer

Duration

Jun 2019 - Ocr 2020

Responsibilities:

- Direct customer communication, architecture planning.
- LaTeX-based PDF blank generation.
- SMS/voice notifications via RedSMS and Twilio.

Tech Stack:

Python, Django REST, Celery, JavaScript, React, Material UI, PostgreSQL, FastAPI, AWS, Docker, Kubernetes

Project 5

Overview

Dashboard for financial institutions to visualize and interact with massive data streams.

Role

Senior Developer

Duration

Feb 2018– May 2019

Responsibilities:

- Integrated ML model with REST/WebSockets.
- Built dataset prep and real-time monitoring interfaces.
- Documented and maintained backend/frontend collaboration.

Tech Stack:

Python, Django REST, Celery, JavaScript, React.js, PostgreSQL, Redis, MongoDB, WebSockets, AioHTTP

Project 6

Overview

Slack-Based Report Generation App

Role:

Software Developer

Duration:

Ocr 2017 – Jan 2018

Responsibilities:

- Integrated Slack Enterprise APIs and developed bot workflows.
- Created endpoints, modals, and event handling services.

Tech Stack:

Python, Flask, Slack API, Celery, RabbitMQ, PostgreSQL, Jinja2

Skill Overview

Category	Tool	YoE (Years of Experience)
Programming	Python	7
Web Frameworks	Django, FastAPI, Flask	7,4,3
Asznchronous Tasks	Celery	6
Frontend	JavaScript, React, TypeScript, Redux	5+
Databases	PostgreSQL, MySQL,MongoDB	5+
AI/ML	OpenAI, LLM, Whisper, DeepFace	2+
DevOps	Docker, Kubernetes, AWS, Azure	5+
Messaging	RabbitMQ, Kafka	5+