ZHANIBEK DARIMBEK

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EXPERIENCE

ioka fintech   Nov 2020 - Present
Chief Technology Officer   *Almaty, Kazakhstan*
· Led the design and development of the payment processing system's core services, implementing high security card data processing and storage services in compliance with PCI-DSS requirements
· Played a pivotal role in the end-to-end development of payment processing gateway APIs for e-commerce, fintech, contributing to system design, deployment, and ongoing maintenance.
· Successfully integrated private APIs of 10+ banks and financial services, expanding the company's payment acceptance capabilities and fostering strategic partnerships.
· Led a dynamic team of engineers, overseeing all aspects of technological strategy, vision, and product development.
· Conducted regular one-on-one sessions and performance reviews to support professional development and optimize team efficiency.

Kazdream Tech   May 2019 - Nov 2020
Software Engineer   *Astana, Kazakhstan*
· Conducted in-depth research and exploration of open-source data using advanced OSINT techniques.
· Automated the collection of data from over 20 social networking sites, messengers, and various web and mobile applications for OSINT purposes.
· Implemented web crawlers to gather OSINT data, integrating them into scalable B2B APIs and real-time systems.
· Directed a team of 7 Python developers, providing leadership and overseeing the entire engineering process.

EDUCATION

Nazarbayev University   2020-2022
Master of Science in Data Science   *Astana, Kazakhstan*
Thesis: Sequential deep learning models for human skeleton-based gait recognition

Nazarbayev University   2016-2020
Bachelor of Science in Computer Science   *Astana, Kazakhstan*
Related courses: Algorithms, Performance and Data Structures, Deep Learning, Graph Theory

PROJECTS

Ossmi Face Search App   Fall 2020
https://github.com/zhvnibek/ossmi

Incorporated face detection (MTCNN), face embedding learning (FaceNet+InceptionResnetV1), and indexing (Faiss) algorithms to build a fast and interactive face detection and search application on Streamlit. Used Minio and PostgreSQL for object storage and data management.

Attendance Management System using Face Recognition   Fall 2019
Deep Learning Coursework

A software system managing attendance of students in a classroom environment using face recognition. It uses MTCNN for face detection and pretrained FaceNet+SVM model for face recognition

RESEARCH

Z. Darimbekov, A. Ubingazhibov, Z. Serikbulatova and M. Fatih Demirci, "News2Image: Automated Image Recommendation System to News Articles," 2020 IEEE International Conference on Image Processing, Applications and Systems (IPAS), Genova, Italy, 2020.
A text-based image retrieval system that recommends a set of images similar to the context of the given news text. It does a direct comparison of the text and candidate images by representing them in a common space preserving the overall semantics and context of both.

SKILLS

Programming Languages: Python, Javascript, SQL
Research: OSINT, Natural Language Processing, Computer Vision, Gait Recognition, Face Recognition
SWE: Microservices, API, System Design
Tools and Frameworks: aiohttp, FastAPI, RabbitMQ, gRPC, Redis, Mongo, PostgreSQL, Docker, PyTorch, NLTK, git, Scrum