NURLAT BEKDULLAYEV

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TECH STACK

Django | FastAPI
Django REST Framework
Celery | Pytest | Asyncio
PyTorch | openCV

Docker | PostgreSQL
AWS | MongoDB | Git

Github Actions

React | ElasticUI

Python | SQL
Javascript | Matlab

PRINCIPLES

PEP 8 | TDD | BDD
DRY | SOLID | OOP
Agile | Scrum

LANGUAGES

English: C1, IELTS 8.0
Kazakh: Native
Russian: Fluent

CERTIFICATES

Advanced Django: Mastering Django and Django Rest Framework Specialization
🌐 Coursera

Django for Everybody
🌐 University of Michigan

Containerized Applications on AWS
🌐 AWS Training

FREELANCE PROJECTS

User management integration app | Sonerep

📅 June 2023

- Created Django plugin for authentication and access management
- Integrates authentication and permissions with Keycloak using SAML 2 protocol

SIDE PROJECTS

Phrosty - on-demand cleaning service |

- Developed using TDD (Pytest), asynchronous FastAPI with pure SQL for high performance

Django Chat - asynchronous chat app |

- Uses Django 4.2 async ORM, Websockets and React stack front-end

Country Guess Game - guess a mystery country |

- Uses Celery and Django Sessions for authentication and user data persistence
- CI/CD pipeline using Docker, Github Actions and AWS EC2/ECR

EXPERIENCE

Research Assistant | Computational Imaging Group

📅 Sep 2022 – May 2023   📍 Thuwal, Saudi Arabia

- Developed models for camera calibration using PyTorch
- Performed data sampling, storage, transformation and processing for the learning models
- Extended openCV calibration tool-box with the developed calibration models

Research Assistant | Composite Material Simulation Laboratory

📅 Jul 2022 – May 2023   📍 Thuwal, Saudi Arabia

- Integrated Python-openCV (cv2) library with multi-camera imaging system
- Developed a new imaging system based on reflective materials

EDUCATION

MSc in Computational Mechanics | King Abdullah University of Science and Technology

📅 Sep 2019 – Jun 2021   📍 Thuwal, Saudi Arabia

BEng in Mechanical Engineering | Nazarbayev University

📅 Sep 2015 – Jun 2019   📍 Astana, Kazakhstan