OTABEK OLIMJONOV
Software Engineer
South Korea | P: +82 (10) 3221 1626 | bekdevs01@gmail.com | [LinkedIn Profile](#)

A Software Engineer with almost four years of hands-on experience in designing, developing, and implementing Artificial Intelligence, API, Web, and even Data Science applications using a range of technologies and programming languages.

WORK EXPERIENCE

미스터아빠 (Mr.Dad is an e-commerce company)   Seoul, South Korea
Software Engineer   Jul 2022 – Mar 2023

- Developed internal CRM projects and AI models for forecasting and predicting future sales through collecting, cleaning, training and testing our company sales data
- Utilized a variety of programming languages and frameworks, such as Python and Tensorflow, to design and implement advanced AI models
- Providing guidance and support in the development and maintenance of company projects using scrum and agile methodologies
- Collaborated with cross-functional teams, including data scientists and business analysts, to integrate AI models into business operations and decision-making processes
- Contributed to the continuous improvement and optimization of company products and services through the development of innovative solutions and technologies.

Used Technologies: Docker, Kubernetes, Microservices, AWS, EC2, S3, Jenkins, Python, Java, Django, SpringBoot, Networking, Tensorflow, PyTorch, Pandas

CHOWIS Co., LTD   Gyeonggi-do, South Korea
Backend & Artificial Intelligence Engineer   Feb 2021 – Jun 2022

- Developed and trained a range of AI models using various frameworks and technologies, including Python, PyTorch, Tensorflow, and Keras
- Created efficient and scalable APIs to deploy AI&ML models in production environments, using tools such as FastAPI, Celery, and Redis
- Conducted extensive testing and optimization of AI models to ensure high accuracy and performance
- Utilized modern tools and techniques, such as parallelization and concurrency, to improve the speed and scalability of AI model deployment
- Applied expertise in AI model development to solve complex business problems and improve organizational efficiency

Used Technologies: Docker, Microservices, Python, FastAPI, OpenCV, PyTorch, Tensorflow, Keras, R-CNN, Detectron2, Yolo, MediaPipe, Celery, Redis, Postgres, AWS, EC2, S3, Tensors, Ubuntu

Artificial Intelligence and Image Processing Lab   Gangwon-do, South Korea
AI Researcher   Dec 2020 – Dec 2022

- Led research projects and supervised junior researchers in the development and implementation of AI and image processing techniques
- Utilized a variety of programming languages, frameworks and electronics, such as Python, PyTorch, Tensorflow, Arduino and Raspberry Pi to design and test advanced AI models
- Published research papers and presented findings at academic conferences and workshops
- Collaborated with faculty and industry partners to advance the state of the art in AI and image processing
- Mentored students and helped to educate the next generation of AI researchers and practitioners.

Used Technologies: Python, Django, FastAPI, C++, OpenCV, PyTorch, Tensorflow, Keras, R-CNN, Detectron2, Yolo, MediaPipe, Arduino, Raspberry Pi

NAMBIOLOG   Namangan, Uzbekistan
Full Stack Developer   Jun 2019 – Jan 2021

- Utilized advanced technologies and frameworks to develop sophisticated web, mobile, and bot applications at Nambiolog
- Assumed a vital role in the conception, enhancement, and management of software systems
- Boosted user base from 0 to 3.8K+ at Nambiolog through successful product development and implementation
- Acquired hands-on expertise in design and development through practical application at Nambiolog
- Conducted rigorous unit and load testing to optimize the performance and reliability of high-profile customer-facing applications
- Demonstrated proficiency in software engineering and made a significant impact on the growth and success of the start-up

Used Technologies: HTML5, CSS, Bootstrap, JavaScript, React.js, React Native, Python, Django, Postgresql, Telegram Bots

EDUCATION

KYUNGDONG UNIVERSITY   Gangwon-do, South Korea
Bachelor of Computer Engineering (GPA: 3.34)   Sep 2019 - Expected Graduation Jun 2023
Major in Smart Computing:
- Big Data & Cloud Computing
- Mobile & Web Development
- Cyber Security & Privacy
- Networking & IoT
- Game Development

SELF-STUDY COURSES

- CS50's Introduction to Computer Science (Harvard University)
- CS50's Introduction to Artificial Intelligence with Python (Harvard University)
- Data Engineering Fundamentals (IBM)
- Google Cloud Computing Foundations: Data, ML, and AI in Google Cloud (Google)
- Deep Learning in Practice I: Tensorflow Basics and Datasets (Udemy)
- Graph Theory Algorithms (Udemy)
- Python (Kaggle)

PUBLICATION

- COVID-19 X-Ray Image Classification Using Deep Convolutional Neural Network
  URL: https://link.springer.com/chapter/10.1007/978-981-16-9480-6_37
- Image-Based Automatic Human Protein Cell Nuclei Segmentation and Detection for Cancer Diagnosis in Digital Pathology
  URL: https://link.springer.com/chapter/10.1007/978-981-16-9480-6_35
- Apple Defects Detection Based on Average Principal Component Using Hyperspectral Imaging
  URL: https://link.springer.com/chapter/10.1007/978-981-15-7990-5_17

EXTRACURRICULAR ACTIVITIES

- Publicity Chair Member in "SMARTCYBER-2021"
- Leader's Camp Participant in Youth Union of Uzbekistan
- University Programming Contest Organizer
- Programming Club Leader at KDU University
- Writing Articles about Software Development on LinkedIn (Link)

SKILLS

Technical Skills:
- Python (Django, FastAPI, Flask, SQLAlchemy, Celery, PyTorch, TensorFlow, Keras, Pandas, OpenCV)
- Java (Spring Boot, Spring Security, Hibernate, Android Studio)
- JavaScript (HTML5, CSS, jQuery, BootStrap, React, React Native, Node.js, Express.js, Mongoose)
- SQL & NoSQL (Postgres, MySQL, SQLite, H2, Oracle, MongoDB, DynamoDB)
- AI (Computer Vision, NLP, Data Preparation, Data Annotation, Classification, Segmentation, Detection, Cluster, CNN, R-CNN)
- AWS (EC2, S3, Lambda, Route 53, Elastic Load Balancing, ElasticSearch, RDS, CloudWatch)
- ROS (Arduino, Microcontrols, Raspberry Pi, Autonomous Cars, IoT Technologies)
- Others (Docker, Kubernetes, Clustering, Redis, Microservices, Linux, CI/CD Pipeline, Jenkins, Git, Github Actions, Webhooks, Nginx, SSL)

Languages:
- Uzbek: Native
- English: Fluent
- Korean: Conversational Proficiency