Andrei Kazialetski

Białystok, Poland | +48 516 584 680 | andrey.kozeletsky@gmail.com
LinkedIn: linkedin.com/in/andrei-kazialetski-a2488240
GitHub: github.com/avkghost

SUMMARY

Senior Software Engineer with 15+ years of experience in software development, system design, and cloud-based solutions. Strong expertise in Python, FastAPI, Kubernetes, AWS, and Computer Vision. Proven track record in designing scalable architectures, delivering high-performance applications, and leading teams across multiple domains (backend, mobile, ML, embedded). Looking for remote opportunities in Europe in backend, cloud, or computer vision engineering.

CORE SKILLS

Programming: Python, C++, Swift, Objective-C
Backend & Cloud: FastAPI, Celery, Redis, PostgreSQL, AWS (EC2, S3, RDS, Lambda), Kubernetes, Terraform, Docker
Computer Vision & ML: OpenCV, TensorFlow, PyTorch, CoreML, Image Processing, Neural Networks
DevOps & Tools: Git, CI/CD, PyCharm, Xcode, CLion, Jira, Confluence
OS: Linux, macOS, iOS, Windows

PROFESSIONAL EXPERIENCE

- Solution Architect / Python Developer – NDA (Remote) (Feb 2025 – Present)

Designed and implemented architecture for a cloud-agnostic project & workforce management platform. Developed core backend services with Python (FastAPI), integrated Keycloak, Stripe, Twilio, Google APIs. Built CI/CD pipelines and infrastructure using Kubernetes, Terraform, AWS (S3, RDS).

- Lead iOS Developer (Freelance) – Ticketing Application (Nov 2024 – Feb 2025)

Developed a mobile platform for digital ticketing (concerts, events, cinema). Designed service and data flow, implemented backend integration, and containerized deployment. Tech: Swift, SwiftUI, iOS SDK, Docker.

- Senior Developer (Python / CV / C++) – InDataLabs (2023 – 2024 (contract projects))

Built financial consulting and medical test platforms with FastAPI + AWS. Developed scalable data scraping systems using Python, RabbitMQ. Computer vision R&D for IoT (ESP32 + TensorFlow Lite Micro).

- Senior iOS / CV Developer – Multiple Freelance & Corporate Projects (2012 – 2022)

Developed AR/3D applications with OpenCV, Open3D, LiDAR, TrueDepth camera. Delivered iOS apps with image recognition, pose estimation, and background removal. Integrated AWS services (speech-to-text, analytics, messaging) into mobile solutions.

- Earlier Experience (2003 – 2011)

C++ / iOS Software Engineer in various companies (Digiteum, Softeq, EffectiveSoft, FinalView). Projects included image processing frameworks, embedded development, Qualcomm platforms.

SELECTED OPEN SOURCE

- MG811_sensor_library (C++, Arduino)

Author of a carbon dioxide sensor library for Arduino (3★, 1 fork).

- Amber-Marsohod2 (Verilog, fork)

Port of Amber ARM Core to Marsohod2 platform; exploration of soft-core CPUs and FPGA tooling.

- Xiaomi Mi Band Cocoa / Android (Swift/Java, forks)

BLE access libraries and notifier experiments for wearables.

CERTIFICATIONS

Deep Learning Specialization (Coursera, 2019)
Neural Networks and Deep Learning (Coursera, 2018)
Convolutional Neural Networks (Coursera, 2019)
Kaggle Profile: kaggle.com/andynewman

EDUCATION

M.Sc. in Computer Science – Belarusian State University of Informatics and Radioelectronics

LANGUAGES

English – Upper-Intermediate (B2)
Russian – Native
Belarusian – Native
Polish – Upper-Intermediate (B2)