
Kalil uulu Bolot

FULL-STACK SOFTWARE ENGINEER

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About

Software Engineer with 10+ years of experience — including 5+ years in cross-platform mobile development (Flutter) and 5+ years in backend development (Laravel/PHP). Lead Engineer of AVA, an AI-powered selfie robot that raised £30,539 (153% of goal) from 277 backers on Kickstarter, and was featured on BBC News, BBC Click, and BBC World News. Following the campaign, over 1,000 units were manufactured and sold, validating AVA's commercial viability and product-market fit.

Professional Experience

Lead Engineer | Co-Founder

Exon AI

June 2019 - Present | Royal Sutton
Coldfield, UK

- Developed a cross-platform mobile application (96% Flutter, 4% C++) implementing image similarity search, object detection and classification, enabling AI-powered visual recognition directly on mobile devices.
- Developed an image similarity search system in Python for a dataset of 10,000+ images, computing similarity scores to identify visual matches based on feature extraction and distance metrics.
- Served as Lead Engineer for AVA — an AI-powered selfie robot launched on Kickstarter (277 backers, £30,539 raised), leading the project from concept to public release.
- As of today, 1,000 units have been manufactured and sold, confirming commercial viability and product-market fit.

Co-Founder, CEO

CodeMake IT

Apr 2014 - Jun 2019 | Bishkek,
Kyrgyz Republic

- Founded and led a boutique software development company, delivering over 20 custom projects for clients across education, e-commerce, and service automation sectors.
- Developed 19 advanced plugins and 2 frontend themes for the PHPFox platform, enhancing core system functionality and modernizing UI for community-based applications.
- Built and deployed a Laravel-based learning management system, featuring role-based access, progress tracking, and content delivery for educational use.

Skills & Competencies

Mobile Development (Flutter & Dart)

Backend Systems (PHP, Python, REST APIs, MySQL)

Embedded Systems (STM32, ESP32, C, C++)

Computer Vision & AI (YOLO, TFLite, OpenCV)

Git, Docker, Firebase, CLI Tools

Frontend (JavaScript, HTML, CSS)

Education

Bachelor of Science in Information and Communication Technologies

Kyrgyz National University

Jun 2015
