Anton Afanasyeu

Storojovskaya str. 8-335, Minsk, Belarus ∗ +375(29) 669-0079 ∗ a.afanasieff@gmail.com

CAREER OBJECTIVE

Solution Architect with more than 15 years of expertise working tightly in low-level, embedded, VoIP engines, geospatial solutions, IPTV platforms, Android hacking, software development. Possesses advanced team coordination skills.

CORE COMPETENCIES

- VoIP technologies
- Efficient solution designing and coordinating
- Unix/Linux specialty
- Low-level, embedded internals specialist

- Geospatial expertise
- IPTV deep knowledge
- Proven team coordination skills

PROFESSIONAL EXPERIENCES

Entrepreneur

Solution Architect, IT Consultant, Jun 2019 - Current

- Work on cross-platform geopositional processing pipeline with incoming data from any sources and outgoing filtered data using such proposals as Kalman, Ramer-Douglas-Peucker, GeoHash filters, with help of attitude and heading reference system (AHRS) based on on-board sensors such as accelerometers, gyroscopes, magnetometers, etc. using Madgwick, Mahony, Fusion algorithms
- Work on IPTV firmware for Amlogic S90x set-top-boxes as a full-stack developer hitting playout problems, adding new features, investigating bottlenecks, fixing kernel drivers, coordinating people
- Work on custom WebRTC compliant backend-side multiparty conferencing solution (MCU)
- Work on IoT yet another smart home solution (both hardware sketch/software control) based on powerline triacs, optocouplers, intermediate logic schematics, ESP8266, ESP32, AM2302, BMP180, GY-49, Raychem Senz floor heater controllers, online energy backup solution, Beaglebone Black as a main controller powered by homeassistant
- Work on custom WebRTC backend based on Janus gateway extending it with custom SFU module and PWA application
- Work on BLE/Wifi Direct mesh offline messenger application with some basic lightweight crypto and voice messaging (push-to-talk alike)
- Work on hardware equipment development for people/pets with disabilities rehabilitation (electric power stages, controllers, protection and muscle feedback circuits, POC software for ESP32)
- Work on customizing Android kernel/firmware for Amlogic boards, doing migration tightly with Khadas (https://github.com/khadas) project up to Android 9.x

Viber Media S.à r.l., Minsk

Solution Architect, Feb 2010 - May 2019
- Analyze incoming requests from project mentors and give adequate feedbacks
- Coordinate client core development team on activities such as plannings, solutions design, implementation, discussions, meetings, trainings, conferences
- Research a bunch of trade-in technologies to be more efficient
- Team review, performance evaluations, hire and terminate expertize
- Work as a individual POC researcher for a variety of self-inspired or mentors ideas
- Research for low-level, primarily Android, audio/video related internals

HTC, Former BLRSoft Minsk department

Team coordinator, Senior software engineer, Feb 2008 – Feb 2010
- Coordinate many different projects with a high variety of technologies, mobile-based mostly
- Work primarily with phone-oriented client-side teams
- Work tightly with local and remote management on a set of problems, ideas and solutions

SaM Solutions, Minsk

Team leader, Senior software engineer, Sep 2004 – Sep 2008
- Resolve customer complaints regarding company's provided services
- Work with a huge number of technologies, client- or/and server-oriented, embedded systems solutions
- Research many proof-of-concepts for variety of software solutions

EDUCATION

Belarusian State University of Informatics and Radioelectronics, Minsk, Belarus

Computer science and networks department, 2005

Belarusian State University of Informatics and Radioelectronics, Minsk, Belarus

Economics and management department, 2004

TECHNICAL SKILLS

- Unix/Linux systems targeted engineer
- Embedded solutions
- Audio/Video, IPTV, WebRTC standard expert
- Geospatial expertise
- Real-time voice/video transmission, encoding/decoding, capturing, rendering Android-oriented expert
- Clientside/Serverside solution architect expertise
- Wide variety of mainstream development languages knowledge and concepts understanding
- Cross-platform solutions development expert