Boris Kirikov

Education

2017–2018 **Exchange in Hochschule Esslingen**, *Information Technology*.
Main areas: IT-Security, Embedded, Microservices

2015–2018 **South-Eastern Finland University of Applied Sciences (XAMK)**, *Information Technology*.
Main areas: Cisco devices, Servers and Datacenters, Electronics

2012–2014 **Computer Science Center**, *Data Mining*.
Main areas: Algorithms, Discrete maths, Machine Learning

2011–2014 **St Petersburg State University**, *Faculty of Mathematics and Mechanics/Department of probability and statistics*, not finished.
Main areas: Analysis, Algebra, Topology, Discrete Math, Optimization Problems, Probability Theory, Numeric Methods

Certificates and online courses

See the list: kribesk.github.io/cv.html.
CCNA courses, MTA, SECOPS, coursera courses, ...

Experience

Work

2018 **Python Backend Developer**, *Siemens*, Munich.
specification driven REST services with OpenAPI; asyncronous code with asyncio/aiohttp; RaspberryPI hardware: GPIO, SPI, I2C; simple electronics

2016–2017 **Python Backend Developer**, *Freelance*.
custom replication tool from mariadb to mongodb using mariadb replication protocol + offline migration tool; notification gateways from mariadb to queue service, from queue to WebSocket/WAMP; different middleware services between postgres/sybase stored procedures and REST, WebSocket, device protocols(TCP); asyncronous code with gevent; python code obfuscation (with cython) and packaging (deb)

2014–2015 **Developer**, *SJ Labs (magicJack)*, St Petersburg.
state machine validation; documentation converter with xslt; protocol specification with xsd, Perl tools for code generation in Java, ObjevctiveC, for mocking/testing, for documentation generation; legacy code refactoring and integration of generated classes

Study projects

2017 **Running mirai botnet in lab environment**, *XAMK*.
fixes in bot for available device; reproducable by scrips and vagrant VMs

2017 **Building and configuring baremetal kubernetes cluster in lab**, *XAMK*.
getting matchbox working on Windows; configuring simple persistance and load-balancer; reproducable by scrips and vagrant VMs

2013 **Simple Functional-oriented JVM-based language**, *Computer Science Center + JetBrains*.
grammar with antlr4; interpreter + compiler in Java

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Languages

Russian	Native	German	A2/B1
English	B2/C1	Finnish	A1

Skills

Progr. languages	Python; Perl; C	And also	Java; C++
Math tools	Mathematica; MATLAB; LaTeX; R	Frontend	HTML; jQuery; bootstrap
Databases	Transact SQL; Postgres SQL; MongoDB	basic skills in Networking and Servers	Cisco: routers and switches, protocols and config; PXE/iPXE; Windows Server; terraform
Cloud & Cluster	Docker, Kubernetes; Spring Boot; AWS, pivotal	Web Frameworks	Flask; bottle
Other skills	algorithms and data structures, debian packaging, xml (xslt, xsd), antlr	Favourite tools	vagrant, pandoc, PyCharm, FAR, vim

Professional interests

- InfoSec
- Distributed systems

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