

Andrey Bekhterev

CV

Backend & Platform Engineer · Rotterdam, Netherlands

Go, PostgreSQL, Kafka, Redis, Kubernetes, Linux, Docker, Distributed Systems, High-Load Backend

Summary

I have been working in the IT industry for about 20 years. I have worked in different areas: software, infrastructure, and storage systems; I started with telecom and data networks. For the last 9 years, I have been writing in Go, mostly working on distributed and big data systems, and I have also had experience in storage platform development and a real hardware product development.

Experience

- 2022–now **Senior Software Engineer** · Semrush Amsterdam, NL
Built core backend solutions for large-scale SEO and data-intensive operations.
Focused on Go development, feature delivery, and production engineering in a mature product organization.
Go · PostgreSQL · ClickHouse · Kafka · Kubernetes · GCP · BigData · Asynchronous Processing
- 2021–2022 **Senior Software Developer** · PropellerAds Remote, Cyprus
Worked on reliability-critical systems for a high-load advertising data processing.
Built backend services handling high-volume advertising traffic and data processing pipelines.
Go · PostgreSQL · Kafka · Aerospike · GitHub CI/CD · Kubernetes · Vertica · High-Load traffic processing
- 2017–2021 **Senior System / Platform Software Engineer** · YADRO St. Petersburg, Russia
Designed and built high-availability storage solutions spanning hardware to software layer.
Worked on custom OS images and low-level system components, SDKs/APIs to abstract hardware access layer.
Go · C · Docker · Linux · RDMA · iSCSI · libvirt · KVM · Jenkins · HBA Networking
- 2015–2017 **Infrastructure Security Engineer** · PITERAVTO St. Petersburg, Russia
Redesigned and improved highly available infrastructure and network security.
Implemented identity management, secrets management, and infrastructure automation solutions.
Go · Linux · LDAP · PKI · Keycloak · Vault · Ansible · VMware · KVM · PowerDNS · DNSdist
- 2013–2015 **Engineering Researcher** · STC Metrotek St. Petersburg, Russia
Led R&D in traffic analysis, traffic classification, and network quality measurement.
Developed embedded systems for network measurement and analysis on custom hardware platforms. Traffic analysis and classification algorithms.
Hardware development: Traffic Analysis · Network Quality Measurement · Wireshark · Embedded Systems · FPGA · Microcontrollers · L^AT_EX

- 2010–2017 **Engineering Consultant** · TELEUM Consulting, UK
Built and evolved a high-load VoIP platform across backend services and integrations.
Worked on architecture, billing integration, and high-availability design in telecom systems.
PHP · C · MySQL · RabbitMQ · HAProxy · Asterisk · OpenSIPS
- 2009–2010 **Network Hardware QA Engineer** · Dr.Web St. Petersburg
Software and network-security QA and traffic analysis in Unix-like environments.
Hardware testing and validation of security appliances and network infrastructure.
Linux · FreeBSD · VMware · Wireshark · GDB · Security appliances

Earlier Experience

- 2003–2015 **Network & Infrastructure Roles** · ISP / Telecom / Enterprise St. Petersburg
Built and operated large-scale networked systems across ISP and telecom environments.
Worked with routing, VPN, VoIP, monitoring, HA, and network automation.
BGP · OSPF · MPLS · Juniper · Cisco · Asterisk · Nagios · Linux · FreeBSD · VMware · KVM · PowerDNS · BIND

Education & Certifications

- 2003–2008 **Arkhangelsk State Technical University** — Master of Science (MS) in Engineering
Thesis: Process automation and accounting systems

Certifications: CCNA, CCNP, Cisco MPLS

Languages

Russian — Native · English — C1 · German — B1 · Finnish — A1