

Curriculum vitae

Dmitry Karasik

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Professional profile

Senior software engineer with over 25 years of experience in Linux-based systems, backend development, and infrastructure. Specialized in building stable solutions in complex environments.

Combines deep technical expertise with a pragmatic approach and strong problem-solving skills. Extensive experience from professional environments.

Core competencies

- Linux / Unix systems engineering
- Full-stack development
- Networking & System architecture
- Relational databases (SQL)
- DevOps & Automation
- Open-Source technologies
- Performance optimization
- Problem-solving & Troubleshooting
- IT Security at system, code, and network levels

Professional experience

2018–Present

Telia A/S & Norlys A/S

Telecommunications

- Develop and maintain software systems for telecommunications infrastructure, focusing on stable operation and scalability
- Work across backend development, system integration, networking, automation, and security
- Contribute to robust production environments with high uptime and performance requirements
- Ensured system stability and implemented IT security solutions, including code quality and network protocols

Technologies: Linux, Perl, Python, C, PostgreSQL, Redis, Telco, SSL, TCP/UDP, Networking, NSO, Automation, SNMP, gRPC, docker, k8s, CI/CD, git/gitlab/github

2012–2017
Novozymes A/S
R&D, Biotech

- Developed software for research and development environments
- Worked with search, data analysis, and web technologies
- Contributed to internal tools for managing biological data

Technologies: Linux, Perl, PostgreSQL, Xapian, Web, Biotech, Node.js, Vue.js, React

2009–2012
Xact Consulting A/S
Language Systems

- Developed solutions for automatic translation of legacy code systems (CA-Ideal/Natural → EGL/Java)
- Analyzed and transformed existing codebases

Technologies: Perl, Linux, Java, parsing, compiling, CLI tools

2007–2009
Capmon A/S
Monitoring

- Developed a standalone Linux-based monitoring system
- Integrated with multiple platforms and protocols

Technologies: Perl, C, C++, Java, JavaScript, Linux, Windows, WMI/WinRM, SNMP, TCP/UDP

2006–2007
Magenta ApS
Web CMS

- Developed backend solutions for web systems

Technologies: Linux, Apache, MySQL, mod_perl

2003–2005
Catpipe ApS
Monitoring

- Designed and implemented an email system to handle high-volume traffic
- Focused on stability and efficient processing

Technologies: Perl, Ruby, PostgreSQL, FreeBSD

Education

2000–2003
University of Copenhagen
Faculty of Health Sciences
PhD in Computer Science – Worked on image analysis and mathematical modeling

1997–2000
University of Copenhagen
Computer Science
Software development for microbiology research

1990–1995
Dnipro State Chemical
University
Organic Chemistry
Cand.Sci in organic chemistry

Additional Information

- Languages
- Danish (advanced / professional)
 - English (fluent)
 - Ukrainian & Russian (native)
- Cultural Background
- Born in Ukraine, residing in Denmark since 1997
 - Extensive experience with Danish work processes and collaboration culture
- Interests
- Technology, open source, AI, problem solving, running (DHL Relay), playing in a rock band