

Alexey Ott's Curriculum Vitae

Personal Information

- **Name:** Alexey (Alex) Ott
- **Address:** Paderborn, Germany
- **Phone:** +4917650439409 (mobile)
- **E-mail:** alexott@gmail.com¹
- **Citizenship:** German, Russian
- **Date of Birth:** 1974
- **Personal site:** <http://alexott.net/en/>
- **LinkedIn profile:** <http://www.linkedin.com/in/alexott>

Summary

- Serious experience in products development for Data Leak Prevention & Content Filtering
- Leader of software development projects (commercial & open-source)
- Software architect and developer using many different programming languages
- Business vision of problems and requirements

Work Experience

- **Software Architect** at *McAfee, Inc. (subsidiary of Intel Corporation)*
Dates (from-to): 07.2014-now
Name and address of employer: [McAfee, Inc](http://www.mcafee.com)². 33100 Paderborn, Germany
Positions held: Software Architect
Type of business: Software Development
Main activities and responsibilities:
 - Architecture and development of new URL Categorization system using the range of machine learning & big data technologies
- **Software Architect** at *McAfee, Inc. (subsidiary of Intel Corporation)*
Dates (from-to): 03.2013–06.2014
Name and address of employer: [McAfee, Inc](http://www.mcafee.com)³. 33100 Paderborn, Germany
Positions held: Software Architect
Type of business: Software Development
Main activities and responsibilities:
 - Architecture and development of identity management components inside MWG (McAfee Web Gateway)
 - Coordination of development with other teams
- **Principal Software Engineer** at *McAfee, Inc. (subsidiary of Intel Corporation)*
Dates (from-to): 04.2011–02.2013
Name and address of employer: [McAfee, Inc](http://www.mcafee.com)⁴. 33100 Paderborn, Germany
Positions held: Principal Software Engineer
Type of business: Software Development
Main activities and responsibilities:

¹<mailto:alexott@gmail.com>

²<http://www.mcafee.com>

³<http://www.mcafee.com>

⁴<http://www.mcafee.com>

- Architecture and development of web-filtering and data leak prevention software (McAfee Web Gateway)
 - Provide support for 3rd party developers
 - Quality “tzar”, responsible for introduction of quality-improving techniques and methodologies—code review, unit testing, analysis of existing problems & errors, etc.
- **Author & Editor** at *Practice of Functional Programming (Journal)*
Dates (from-to): 04.2009–now
Main activities and responsibilities:
 - Author of several articles on functional programming (Clojure, Scheme, etc.)
 - Preparation of new journal issues
- **Senior Software Developer** at *McAfee, Inc.*
Dates (from-to): 01.2007–03.2011 (2007–2008—Secure Computing Corp.)
Name and address of employer: **McAfee, Inc**⁵. 33100 Paderborn, Germany
Positions held: Senior Software Developer
Type of business: Software Development
Main activities and responsibilities:
 - Development of content-filtering software
 - Architect of new versions of software—collecting requirements, creating top-level view, planning development activity, etc.
- **Head of Software development group** at *Jet Infosystems*
Dates (from-to): 10.2001–11.2006
Name and address of employer: **Jet Infosystems**⁶. B. Novodmitrovskaya, 14/1, 127015 Moscow, Russia
Positions held: Head of Software development group, Chief System Architect
Type of business: System Integration
Main activities and responsibilities:
 - Head of development group (9 people);
 - Lead of development projects;
 - Architect and development of custom and off-the-shelf software (C/C++, Scheme, Lisp, Java);
 - Negotiation with customers
 - Present solutions for customers;
 - Participation in marketing activity;
 - Infrastructure architect (data & process integration projects, network projects, mail projects).
 - *Performed Projects:*
 - * **Mailboss** (aka SMAP “Dozor-Jet”) – mail filtering and archiving software (architect and developer, leader of development process); <http://www.jetinfosecurity.com>;
 - * **Webboss** (aka SKVT “Dozor-Jet”) – web filtering software (architect and develop software, lead the development process); <http://www.jetinfosecurity.com>;
 - * **BeepayXP** – payment processing software for the Vimpelkom – large Russian Mobile Company (Data architect, server infrastructure architect, project coordinator);
 - * **File-NG** – data type detection library;
 - * **KC IAS** - lead architect in data and process integration pilot project (on the base of Sun Java CAPS) for a Russian Central bank. Business process analysis, Project architecture design, product selection.
 - * Content-type detection add-on for the Cerberus software (Mail filtering software for Lotus Notes);
 - * Custom Web Portals for the government departments (architect solutions, project coordinator);
 - * Mail projects for different clients (Infrastructure architect, project coordinator);
 - * Custom software solutions (Development in C/C++, Java, Scheme).

⁵<http://www.mcafee.com>

⁶<http://www.jetinfo.com>

- **Teacher** at *Tomsk Polytechnic University*

Dates (from-to): 09.1998–08.2001

Name and address of employer: Tomsk Polytechnic University, Lenina Str, 30, Tomsk, Russia

Positions held: Assistant lecturer at Technical Physic's department (Teacher)

Type of business: Education

Main activities and responsibilities:

- Provide trainings for students in branch of thermodynamic, molecular physic, computer modeling of physical processes;
- Administration of faculty network (mix of Unix and Windows servers) – 1500 users;
- Development of Intranet applications.

- **Developer** at *E-Compare Corp.*

Dates (from-to): 10.2000 – 4.2001

Name and address of employer: E-Compare Corp, USA

Positions held: Developer (remote work)

Type of business: Software Development

Main activities and responsibilities:

- Writing modules for search engine (Perl, Oracle);
- Web programming (HTML, JavaScript).

Education and trainings

- **Engineer** at *Tomsk Polytechnic University*, Russia

Dates (from-to): 1991–1997

Title of qualification awarded: Physic (Engineer)

Name and type of organisation: Physical-technical department of Tomsk Polytechnic University

Principal subjects: Physic and Chemistry of Plasma, Mathematics

Level in national classification: Higher education diploma

- **MBA** at *Magdeburg University*, Germany

Dates (from-to): 2003–2005

Title of qualification awarded: Master of Business Administration

Name and type of organisation: Deutsches MBA Program, Magdeburg University, Germany

Principal subjects: General management, Finance, Marketing

- Online courses:

An Introduction to Artificial Intelligence⁷ (Stanford). Score: 89%

Machine Learning⁸ (Stanford). Score: 100%

Natural Language Processing⁹ (Stanford/Coursera). Score: 93%

Heterogeneous Parallel Programming¹⁰ (University of Illinois at Urbana-Champaign/Coursera). Score: 100% with distinction

Computing for Data Analysis¹¹ (Johns Hopkins Bloomberg School of Public Health/Coursera). Score: 100% with distinction

Introduction to Data Science¹² (University of Washington/Coursera). Score: 90.1% with distinction

Model Thinking¹³ (University of Michigan/Coursera). Score: 95% with distinction

Data Mining with Weka¹⁴ (University of Waikato). Score: 100%

Functional Programming Principles in Scala¹⁵ (École Polytechnique Fédérale de Lausanne/Coursera): Score: 100% with distinction

⁷<http://www.ai-class.com/>

⁸<https://www.coursera.org/course/ml>

⁹<https://www.coursera.org/course/nlp/>

¹⁰<https://www.coursera.org/course/hetero>

¹¹<https://www.coursera.org/course/compdata>

¹²<https://www.coursera.org/course/datasci>

¹³<https://www.coursera.org/course/modelthinking>

¹⁴<https://weka.waikato.ac.nz/dataminingwithweka/>

¹⁵<https://www.coursera.org/course/progfun>

Technical skills and competences

Programming languages and software development skills

- C and C++ – more than 10 years (mostly in Unix – Linux, Sun Solaris, HP-UX, FreeBSD)
- Scheme and Common Lisp – 8 years (commercial & personal projects)
- Clojure – 4 years (commercial & personal projects)
- Erlang – 1,5 year (personal projects)
- Haskell – 1 year (personal projects)
- Java (including J2EE) – 5 years (currently inactive)
- Perl – 5 years (currently inactive)
- OCaml and F# – 3 years (currently inactive)
- Prolog – 2 years (currently inactive)
- SQL – 7 years (Oracle and PostgreSQL)
- UML modeling in complex projects
- x86 Assembler – 5 years (currently inactive)
- Hadoop and corresponding topics – 2 years
- Lucene – 2 years (via Clojure)

Other computer-related skills

- Administration of UNIX-like OS – Linux (since 1996), Sun Solaris (since 2000), HP-UX (since 2001), FreeBSD (since 2000)
- Administration of Windows OSes – NT4, 2000, XP
- Administration of relational databases (Oracle and PostgreSQL)

Open Source projects

I'm participating in different open source code projects including:

- Clojure-related: Incanter, Leiningen, swank-clojure, Clojure, clojure-hadoop, labrepl;
- Emacs-related: el-get, magit, Muse, GNU Emacs;
- ALTLinux—Linux distribution, package maintainer (2001–2004)
- Catdoc—Open-source converter for MS Office files, development of PPT & XLS converters;
- Dansguardian – web-filtering software;
- openfwtk—application level firewall;
- Russian documentation for Linux – author of different articles about Linux.

Information about other open source projects you can find on [github](https://github.com/alexott)¹⁶ and [ohloh](https://www.ohloh.net/accounts/alexott)¹⁷.

¹⁶[http://github.com/alexott](https://github.com/alexott)

¹⁷<https://www.ohloh.net/accounts/alexott>

Certification

- Authorised “ALTLinux specialist”, certificate number 0x000C;
- Brainbench certification ([Brainbench ID 5075245](http://www.brainbench.com/xml/bb/transcript/public/viewtranscript.xml?pid=5075245)¹⁸):
 - Master C++
 - Master C++ Fundamentals
 - Master Unix Programming
 - Master Linux Programming
 - Master Network Authentication
 - Master Unix Administration (General)
 - Master Linux Administration (General)
 - Master Linux Administration (Redhat)
 - C Programmer

Personal skills and competences

Languages

- **Russian:** Mother tongue
- **English:** Good reading, writing & verbal skills
- **German:** Good reading, basic writing and verbal skills

Social and organizational skills and competences

- Ability to working in multinational commands, working with foreign customers
- Ability to work in teams and alone
- Experience in managing of software development teams, coordinating different departments to make projects.
- Participation in Open Source projects

Other personal info

- **Driving license:** present
- **Artistic skills and competences:**
 - Author of different articles, in physic and computer-related branches (functional programming, Emacs, programming);
 - Co-author of Russian translation of “GNU Emacs manual”, “Practical Common Lisp”, “Types and programming languages”, and some other.

¹⁸<http://www.brainbench.com/xml/bb/transcript/public/viewtranscript.xml?pid=5075245>