Alexander Farber

SENIOR DEVELOPER / TECH LEAD

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WORK EXPERIENCE

Senior software developer – *Volkswagen Infotainment | Bochum | 2014 - Present*

2019 – Present | Cloud development

- Developing microservices for Microsoft Azure Service Fabric and Kubernetes in C#
- Products used: Application Insights, Pipelines, ARM templates, DevOps, git

2014 – 2019 | Embedded development

- System development in Java for mobile online services on ECU (Yocto Linux)
- Developed MQTT component for OCU3 from scratch
- Tech lead for NAR project (Initially managing 2 developers and a tester remotely in Detroit; then later 2 developers on premises in Bochum; attended many workshops in USA and remotely)
- Products used: Netbeans, Maven, Subversion

Software developer – *Blackberry | Bochum | 2009 - 2014*

- Developed mobile software for BlackBerry in Java, C++, ActionScript, Flex
- Developed USB and MTP stack, FM Radio, OOBE, Settings and Setup app
- Scripted with PHP, Perl, jQuery, PostgreSQL on Linux and Windows

System administrator – *novero (an automotive company) | Bochum | 2008 - 2009*

- Administrating Active Directory, DNS, DHCP and NIS for 400 users
- Administrating Telelogic CM Synergy (Continuus), VMWare ESX
- Administrating HP Quality Center (Mercury) and Oracle 9i database
- OpenVPN deployment and RSA certificates management for 400 users
- Sendmail, Nagios, Cacti configuration; Subversion, CVS and Bugzilla administration
- Administrating several internal Apache servers (users authenticated against AD)
- Administrating few external web servers with PHP, Perl and PostgreSQL, MySQL
- Administrating and maintenance of build cluster (RHEL 4) for S40 phone software
- Installation and support of PurifyPlus, Rose, ARM Compiler, Lint, gmake

Tools developer – *Nokia | Bochum | 2002 - 2008*

- Support for S40, Symbian and Maemo developers, build managers and integrators
- Administrating 2 phone software build farms (RHEL 4 and HP-UX 11)
- Installation and support for many SW development tools; Programming local tools
- Participation in global Nokia projects like porting of Symbian build system to Linux
- Testing and maintenance of PVMgmake (clustered version of GNU make)
- Acting as Nokia-global owner for Java development tools, Wine and UltraEdit
- Installation of gcc as MinGW-crosscompiler for phone software emulation
- Participation in regular Nokia-wide "Global Tools Initiative" meetings and virtual teams
- Acting as a connecting link between local SW teams in Bochum and Nokia tool experts

Software developer – *Ericsson | Aachen | 2000 - 2001*

- Programming CGI and mod_perl scripts in Perl (with Sybase, MS SQL, ClearCase)
- Programming command line tools in Perl, Unix-shell, awk

Student helper – *Ericsson | Aachen | 1996 - 2000*

- Programming CGI-scripts in Perl (interacting with Sybase)
- Programming command line tools in Perl

EDUCATION

Dipl.-Ing. (Master) Electrical Engineering – *RWTH Aachen | Aachen | 1992 - 2000*

- Electrical Engineering (Technical Informatics) study at the RWTH Aachen. Final grade: satisfactory
Thesis theme: a FEM-viewer in C++ and OpenGL/Qt with an integrated Python-interpreter. Thesis grade: 1.7

Master Physics – *Latvian State University | Riga | 1989 - 1991*

- Physics study at the Latvian State University - discontinued because of emigration to Germany

School – *School #40 | Riga | 1979 - 1989*

- School #40 in Riga, final grade: 1.0 (gold medal)
- The final grade has been confirmed in Germany in preparatory college Muenster *1991-1992*

Distance learning (during school time) – *Distance learning school of the Phys.-Tech. Institute | Moscow | 1987 - 1989*

- Study of physics and mathematics at the distance learning school of the Phys.-Tech. Institute in Moscow. Final grade: 1.0
- Also I participated regularly in phys. and math. Olympiads and won *1988* the 1st place in Latvian Republic in physics

LANGUAGES

- German fluently
- English fluently
- Russian native
- Latvian basic

INTERESTS

- My wife and 2 kids
- Literature and arts
- Daily sports, staying fit
- Videogames (both playing and programming: developed 2 social games for Android, iOS, desktop)