Kasza Gábor
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Personal:

Name:	Kasza, Gábor
Date of birth:	11. August 1970
Marital status:	Married, (3 children)
Nationality:	Hungarian
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Education:

1989-1994	**Technical University, Budapest** Faculty of Microelectronic and Technologies
1994	End project at **Gesamthochschule Essen** (Germany) Institute for Experimental Mathematics. **Theme:** Chiffring, Implementation and Optimizing of Algorithm RSA to TMS 32c320 Processor
1995	Diploma at Technical University, Budapest

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Program languages:

Languages	Experience in years	
C/C++	over 20	Posix, GNU, MFC,
Java	6	JDK, ADK, Eclipse,
SQL	6	SQL, PLSQL; jdbc, SQLlib / DB2, Oracle
UNIX tools	15	Make, awk, sh, ...
Assembly	9	Different Assembly (ARM Cortex, Zilog, Intel, Motorola, PIC, TMS ...)
WEB	4	html, EJB, jsp, jsf, php, Jboss, Tomcat

Operation systems:

Unix: Linux, AIX, SUN Solaris
RT-Linux
RTOS, OSE
VxWorks
Android
AutoSAR

Tool knowledge:

GNU C/C++ Tool chain, llvm, Green Hills tool chalin
MISRA
Eclipse IDE für C/C++, für Java, für ADT, Visual Studio
MP-Lab (MicroChip), Tornado (WindRiver)
Enterprise Architect, Rational Rose, Innovator
AutoSAR, Autosar-Architect,Tresos
Vector-Tools: CANoe, CANape, CANalyser, CANstress, CAPL
Apache, Maven
JBoss, Tomcat
ClearCase, SVN, CVS, PVCS-VM, Visual Source Safe
MS Office
DOORS, HP-QC
DDTS, PVCS-Tracker, TFS, iZilla
AutoCAD, PCAD, OrCAD, PowerPCB, Xilinx VHDL, ISE
CODESYS

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Hardware and others:

ARM (also in SoC, Nordic, MicroEnergy, ...)
PPC, FreeScale
AutoSAR
Bluetooth, BTLE
CAN, LIN, USB, Ethernet: firmware, driver, physical layer
MicroChip MCU: hard- and software
FPGA, CPLD, GAL, PAL: VHDL or schematic design
Circuit and PCB development: reading, understanding and measuring of hardware and its documentation
Electronic and mechanic controlling, robotic
Lauterbach with Trace32 for Hardware-Level and on target Debugging
Hardware and hardware-level debugging in practice, JTAG Debugger, Logic Analyzer, Oscilloscope, Multimeter.

Language knowledge:

Hungarian	Mother tongue
German	Fluent in written, spoken, Practice since 1998 in German speaking environment
English	Good in written and spoken, Practice since 2000 in international environment

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Experience:

Since 2016 **Thyssenkrupp-Presta (Budapest, Ungarn / Eschen, FL)**
In Projekten: EPAS (Electronic Power Aid Steering)

development engineer, SW Architect

Thyssenkrupp Presta AG is one of the world's most successful Manufacturer of steering systems and is technology leader on the Area of massive forming. Together with the world best-known car manufacturers such as VW, BMW, Mercedes, Ford, Audi, Porsche, etc., the future is put on the road every day. Every 4th car worldwide drives with a Presta steering.

Responsibilities:

- Expert of UDS and Boot loader.
- Evaluation of customer requirement and working out a solution (architecture) in DOORS
- Implement this architecture with configuration tool of AUTOSAR Architect.
- Implementation of the function is configured by AA
- Software integration, integrating the special and common components into the application and BSP.
- Component testing by using our C/C++ Test-Framework.
- Integration testing by using Vector-Tools simulated Car environment.
- "Trouble-shooting" of electric and Software.

Tools & Software:
AUTOSAR, Autosar-Architekt (Tresos), Green Hills Compiler & Toolchain, Lauterbach & Trace32 JTAG debugger, Vector Tools (CANape, CANoe, CAN-Stress, vFlash, XCP, CAPL-Scripting), SVN, DOORS, IBM-Change, Enterprise-Arhitekt, MISRA static code analysis

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2016

ROTZLER Deutschland GmbH+Co. KG (Steinen, Germany)

In Projects: Bionix und Miller

development engineer

Rotzler is traditional family company, founded in Germany. The company's first-class winch and system solutions are used all over the world for the various challenges posed by hoisting and pulling loads.

Responsibilities:

- Troubleshooting in existing specific control software implementations.
- Performing of control software alterations according to customer wishes. (Documentation, software implementation, testing, according to V-Model)
- Supplier contact point for new developments or bug fixing of purchased components.
- Design Support the electric components.

Tools & Software:

CAN, CoDeSys (TCAN.IDE, PROSYD), Nexus, CAN-Explorer

2015

Endress+Hauser Conducta GmbH+Co. KG (Gerlingen, Germany)

In Project: Compact Transmitter

development engineer

Endress+Hauser Conducta is one of the world's leading providers of measuring instruments and complete systems for liquid analysis. A factor in our success is our position as technology leader, with regard to both, groundbreaking product innovations and forward-looking production processes. Our innovative strength is drawn from the expertise of more than 700 highly motivated and committed employees worldwide. They are based at our sites in Germany, the USA and China.

Responsibilities:

- Implementing Firmware in C / C++, also in in Assembler
- Evaluating and start up of new hardware types, supporting Hardware Team in the further development of Hardware
- Test, on software and hardware level

Tools & software:

GNU based tool chain, Visual Studio, llvm tool chain, SVN, ARM Hardware-Debugger tool, Jenkins, iZilla

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2014-2015 **Fujitsu Semiconductor Embedded Solutions Austria GmbH (Linz, Austria)**
In Project: MCAL4
Software designer and developer

Fujitsu Semiconductor Embedded Solutions Austria (FEAT) is an important HMI tool provider and development partner for global customers of automotive and telecommunication industries. FEAT supports its customers by providing of software services mainly in the areas of HMI development and embedded software.
In project MCAL4 we develop the AUTOSAR driver for a new controller chip series, such as the plug-in components for TRESOS.

Responsibilities:

- Design by using Enterprise Architect
- Developing the Driver in C
- Implementing the plug-in for Tresos configuration und Code generator
- Test, on the Software and Hardware layer
- Documentation: User Guide, Software Product Documentation

Tools & software:
AUTOSAR, GNU based tool chain, XML, XDM, XPath, AUTOSAR, Tresos, Enterprise Architect, SVN, Green Hills Compiler and Debugger, Hardware-Debugger tool, QA C static code analyzer, Polarion requirement and ticketing tool

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2013-2014 **GEVA Business Solutions GmbH (Aachen, Germany)**
In Projects: IBAN-Converter, Mandated administrative, SEPA Mandate-Kit
Software developer as contractor

GEVA Business Solutions GmbH is a software company specialized in the development, integration and distribution of payment transaction solutions.

Responsibilities:

- Implementation of Server Applications in Java
- GUI Programming in xhtml
- DB-Definition
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Tools & software:
Eclipse, java, SQL, JBOSS, Oracle, SVN, ICE Faces, Jasper, JPA, Junit

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2008-2013 **Roche-Diagnostics Co. (Rotkreuz, Swiss)**
Development Engineer, Project Engineer, Department Architect as contractor

Roche Diagnostics AG develops diagnostic methods and produces instruments in wide spectrum of medical diagnostics.

Responsibilities:
- Developing of our new Framework, with a small team together.
- Designing and implementing of different Components of Software based on our Framework.
- Elaborating and working out of our way of developing.
- Designing Framework related development and test tools.

Tools & software:
Eclipse, C++, SVN, make, embedded Linux, gnu toolkit, TFS, HPQC, EA, XML/XSL, Java, CGI, php, SQL

2008 **Team Bank Co. (Nurnberg, Germany)**
Development Engineer, Interface developer as contractor

Team Bank – earlier Noris Bank – with Domicile in Nurnberg is in diverse Countries in Europe active. There is known due its product: *easyCreadit*.

Responsibilities:
- Defining and implementing of the interface to Kordoba System of Bookkeeping.

Tools & software:
Eclipse, Java, php, CVS, make, awk, Unix, JIRA, Kordoba, Apache, SOAP

2004-2008 Contec Ltd. DataCard Group, Germany
Chef Development Engineer, Firmware developer as contractor
DataCard Group is a multinational concern with headquarters in Minneapolis USA. Develops and manufactures automated machines in security document segment, market leader in passport and bank cards segment. Our division developed a full automated personalizing machine for paper passports.

Responsibilities:
- Designing for Software architecture and development environment.
- General development in different modules (Mechanical construction, hardware requirement, common design and software development guide lines)
- Support for constructor team
- Firmware development under VxWorks for modules.
- Prototype and customer machine installation and test.

Tools & software:
VxWorks, GNU C++, Tornado, CVS, make, Windows

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2003-2004 General Electric – Medical Systems division, Hungary

Software engineer, C++ developer as contractor.
GEMS develops and manufactures clinical examination instruments, I worked mainly on the developing of the Liberty 4000 "Digital cardiovascular X-Ray Imaging" system. It contains more subsystems, more computers, controllers with different op. systems. (e.g. NT, VxWorks, Solaris …)

Responsibilities:
- Software development under VxWorks.

Tools & software:
MSVC, GNU C++, Tornado, ClearCase, DOORS, DDTS, VxWorks, Windows, Corba, tcl

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2003 Kopint-Datorg Co. (Government), Hungary

Software designer and developer: Contractor in Project "**Government's Portal: magyarorszag.hu**"
The developed WEB site is running on Tomcat application and jetspeed portal server, with Oracle DB in the background.

Responsibilities:
- Design and development in the frame work included the DB connection layer.
- Co developing in the GUI.

Tools & software:
Oracle, Java, EJB, J2EE, JBuilder, SQL/PLSQL, Rational Rose, CVS, Solaris, Windows, Apache

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2002 Szüv Co. Székesfehérvár, Hungary

Software designer and developer:
Contractor in Project "**Digital-Regia**"
The software, we developed, was based on "jsp" technology with Oracle DB, and Apache-jserve application server. The implemented WEB application realized an e-learning application.

Responsibilities:
- Design and developing in base classes, e.g. DB connection, general GUI behavior.
- Customization.
- DB design.

Tools & software:
Oracle, Java, EJB, J2EE, Visula Caffee, JDeveloper, SQL/PLSQL, Visual Source Safe, Linux, Windows, Apache

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1999-2002 Advanced Integration Company, Winterthur, Swiss

Software Developer and designer:
Contractor in Project „**openIkos**“
AIC Switzerland developed software for Health care insurances. The target was to build up a modular system, on the base „M3 Middle ware“. The sources was generated from „UML“ by a generator, developed by us. We used „Innovator“ as a case-tool.

Responsibilities:
- Design and developing in framework and generator (Java, C++)
- Build process and automation in infrastructure (make, sh, awk)
- Developing in „Business System“ (Java, C++)
- Leader of part project: coordination and technical leading a projects in India
- DB-Connection, Persistent Framework (Java, C++, SQL)
- Porting the Prodcts to Unix Systems (from NT to Linux, Solaris, AIX)

Tools & Softwares:
Java, WLE, DB2, PL/SQL, Visula Caffee, JBuilder, MSVC, Sniff, PVCS, Innovator, make and other Unix tools, Windows, Solaris, AIX, Linux

1998 Advanced Integration Company, Frankfurt a.M., Germany

Software developer and designer.
Contractor in Project „**Mö-Wa**“.
AIC developed a logistical system for an international trading company. The software was developed by AIC, with components built in the system. (ORACLE, RougeWave)

Responsibilities:
- Design and developing the interfaces between different systems.
- Build up the „Software Factory“ (Developing in C++, and Unix Tools)
- Developing at „Business System“ (C++, SQL)

Tools & Software:
C++ Builder, DB2, Oracle, PL/SQL, Visual Source Safe, Rational Rose, make and other Unix tools, Windows, AIX

1996-1997 Semilab Semiconductor Laboratories Co. Budapest

Hardware designer.
Semilab is a developer in hardware and software.
The company developed and sold Measuring instruments for the Silicon productions and wafer consumers. The hardware of this instrument – which was driven by PC based software – was the main point of our development.

Responsibilities:
- Hardware-Design and Prototype building of the measure circuits
- Supervising the production of non-serial equipment
- Implementing the communication software drivers (C/C++, Assembly,)
- Testing and quality insurance