

Gábor Antal

Personal Details

Nationality: Hungarian
Address: Ganz Ábrahám utca 34/b, 1182 Budapest, Hungary
Phone: +36 (70) 512 2905
E-mail: gabor.antal@agsoftware.hu

Work Experience / Projects

December 2002 – AG SOFTWARE, Budapest, Hungary
Senior consultant

Client Projects

04/2012 – (present) : Kopint Datorg Kft, Budapest, Hungary

Role: software architect, lead developer

- Overall application system design
- Specify architecture, frameworks, patterns and best practices, principles and guidelines for the software system
- Define architecture and overall solutions for the software to run in production
- Define and review API's with the development teams
- Define solution for integration and migration
- Architected, designed the web customer relationship in court proceedings and developed key components for National Office for the Judiciary (OBH) (04/2012-01/2013)
- Produced technical architectures, logical and physical design documents and deployment and integration planning
- Designed of the MongoDB cluster and the file storage concept, defined the collected data in Solr cluster
- Lead development of the message handler module and document storage module
- Addressed issues of performance, scalability, reliability, extensibility, manageability and security
- Design and implement framework for signing documents using PKI
- Adding (SD-DSS) (sign, validate, extend) functionality to application
- Design and develop application for eID (electronic ID card with cert on it)
- Designed processing of administrative data asset and form filling application for Ministry of National Development (NFM)
- Maintain design documents for systems
- Design client architecture and related technical processes
- Design and develop application for verifying the standards-compliance of the electronic cash register for Hungarian Trade Licensing Office(MKEH)
- Architected, designed the organizational information security document processor application for National Electronic Information Security Authority (NEIH)
- Design and development the server side PDF generator (form standard) application for Hungarian Central Statistical Office (KSH)
- Experience in microservice architecture and aPaas
- UML, Enterprise Architect, Java, Eclipse, Spring, Hibernate, MySQL, Oracle, PostgreSQL, IBM MQ, ActiveMQ, Oracle AQ, Maven, Jenkins, Nexus, JUnit, MongoDB, Solr, WS (CXF), REST, JSON, slf4j/logback, XML, Apache Camel, Apache Tomcat, JBoss Application Server, Jasper report, iText, SVN, Confluence, JIRA, Nagios/NRPE, JMX, Camunda, PDF Box,
- Architected, designed the document storage system based on CMIS standard
- Gather requirements and translate them into technical specification and solution design
- Design the Workflow Management System (MUKER/IKR) for government
- Integration (service-based architecture, Queue (jms, mq, aq))
- Take care of OWASP top 10 compliance of the applications
- Design the backend of the form filling application (iFORM)
- Design application for government using Camunda as BPM engine.
- Drawing BPMN diagrams and creating DMN decision tables

01/2010 – 04/2012: Erste Bank ZRt., Budapest, Hungary

Role: Senior Consultant

- Projects: Call Center, Mobile TopUp 2, AFOR, ErsteCC, BASIF, SZK-Széchenyi Card
- Java Enterprise Application Design and development
- Base24, SunGard's System access Symbols as core banking solution
- Using MagicDraw, Eclipse, Maven, IceFaces, Weblogic, Oracle, EclipseLink, Certificate mgmt, DMS, jBPM3, jBPM4, Maven, AndroMDA, Sonar, Hudson, XML, XSLT, XSD
- Using MQ/AQ/JMS queues and webservices (jaxws, rpc) for integration

06/2009 – 12/ 2009: T-Mobile International, Bonn, Germany

Role: Senior consultant on Android platform

- Developing different applications on Android
- Responsible for the quality of the APS application. (Participating in the design guidelines document creation, acceptance)
- Writing feasibility studies on Android platform
- Collecting code metrics used for application acceptance
- Acceptance of the application/docs from third party providers
- Design, design reviews
- Creating application update mechanism
- Investigating testing methods on Android and making a presentation about that
- Code coverage measurement (EMMA) and custom image creation (for HTC and SE)
- Used technologies/tools: Android 1.5, 1.6, 2.0, Java, Sonar, Hudson, Git
- Testing with: Selenium and SoapUI

09/ 2008 – 05/2009: Erste Bank ZRt., Budapest, Hungary

Role: Consultant

- Responsible for designing and developing Mobile TopUp application, ATM and POS message handling.
- Designing telebank architecture and related OpenSSO interfaces and Base24 and HSM modul connections
- Project management tasks, (based on Prince2)
- BIC ISO message handling logic (authorization, reversal, charg, network management, etc), Pannon, T-Mobile and Vodafone charge logic handling, balance notification logic
- Using MQ/AQ/JMS queues and webservices (jaxws, rpc) for integration
- Base24, SunGard's System access Symbols as core banking solution
- PCI Security standards
- Testing with: Selenium and SoapUI

10/2007 – 09/2008: Nokia Siemens Networks GmbH, Düsseldorf, Germany

Role: Consultant

- Support for Oracle installation on Linux and system configuration
- Design and develop J2EE application (part of it) for the Mobile Quality Analysis (business logic), NetACT SDK
- Migration planning/executing (MySQL/Oracle)
- Testing mobile quality analysis application and writing automated module test script for the developed component (Aste, Lux)
- Writing (maintenance) scripts using PERL/(PL)SQL

04/2006 – 10/2007: Giro ZRt., Budapest, Hung

Role: Software designer / Project coordinator / Team leader

- Design J2EE application for the bank clearing and settlement services according to RUP
- Functional and architectural specification
- Requirement analysis / management
- Collecting information about the project risks
- Managed team through development
- Organize trainings for the coordinated team
- Responsible for project planning and resource allocation and administration tasks and reporting
- Meeting subcontracting company frequently as a single point of contact

- Using Prince 2 project management methodology and ITIL
- Participation on setting up the SLA
- Translate business requirements into IT requirements
- Collaborated with specialists to identify improvements
- Using Borland Together, Caliber RM, MS Project, MS Visio and Eclipse (with MyEclipse integration), Mercury WinRunner/ TestDirector and Quality Center (+admin)

07/ 2003 -04/ 2006: CCC, Budapest, Hungary / Oulunsalo, Finland

Role: Software developer

- Designing (UML (Jude)) and developing Next Generation Mobile Java (based on J2ME) applications and its server component J2EE
- Using Eclipse v3.1.1, NetBeans v5, Carbide.J, Oracle v10
- Creating OSGi services
- Feasibility studies
- Developing plug-in for Cybelius Maestro in java
- GTK+1.2 and 2.x and Java GNOME Binding
- Code generation (C) using Java

Role: Test Manager

- Planning, writing test specifications (functional, module, regression, smoke test, release test, pre-release) and implementing, executing automated test cases
- Participant of board meetings and workshops in Boston / Tampere
- Symbian S60 – (Nokia 6600, 6630,7610, 6670, 6680, N70, N90,N91)
- Creating project plans
- Using Test Director
- Document and track defects identified during test
- Analyzing test results, evaluating test tools
- Reviewing test plans, test programs and development design documentations
- Set-up and maintain the support lab including hardware and third party software
- Nokia mobile phone flash management (Phoenix)
- Building and software image creation (ARM compiler) for NOKIA phones and emulator environment (Metrowerks CodeWarrior)
- Code coverage analysis (Bullseye)
- Report generation in Excel (using Visual Basic)

01/2003 - 08/2003: Allianz – Insurance Company, Budapest, Hungary

Role: Software Developer - consultant

- Planning and Developing insurance application using J2EE
- Writing the business logic using EJBs and the connecting web tier elements
- Borland JBuilder, Tomcat, Struts, JSP, Oracle (PL/SQL), HTML, JavaScript (IBM WebSphere)

2001 – 2002

T-Systems - Dataware, Budapest, Hungary

Test engineer / Test manager

- Developing automated test tools (using JAVA) for verifying the Football Stadion project, Raiffeisen AdActa project and HAJO (hungarian highway toll system)
- Designing, writing complex test specifications and implementing, executing automated test cases for scalability, performance, stability and API tests
- Analyzing test results
- Work with application designers/developers and other application testers to resolve and correct defects.
- Provide guidance and direction in test development and execution to junior members of the team
- Using industry standard software test, test automation, and defect tracking tools such as Mercury Interactive's ASTRA tools, and Mercury Interactive's WinRunner, Rational Test Manager, Visual Test

2001

Generali – Providencia Insurance Company, Budapest, Hungary

Software Developer, Application Development group

- Designing the application UML (Rational Rose)
- Developing insurance applications for the company using Visual Age for Java, Servlets
- Using VIAS2 on IBM AS/400, Synpac

- Testing
- Using MQSeries (send/receive XML)
- Developing JPEG EXIF info reader
- Write technical documents (cases and solutions) for the corporate knowledge base

2000 – 2001

Nokia Hungary Ltd., Budapest, Hungary

Software Verification Engineer, Mobile Internet Application group

- Developing automated test tools for verifying the Mobile Entertainment Platform (Java based, distributed, 3-tier application server with WAP and HTML presentation layer), using Oracle database
- Planning, writing test specifications and implementing, executing automated test cases for scalability, performance, stability and API tests
- Document and track defects identified during test
- Analyzing test results
- Evaluating test tools
- Reviewing test plans, test programs and development design documentations
- Set-up and maintain the support lab including hardware and third party software

Education

2002 – 2004

College of Finance and Accounting, post graduate, Budapest, Hungary
Faculty of Engineer-Economist

2000 – 2002

University of Szeged, Szeged, Hungary

Department of Applied Mathematics and Information Technology
MSc in Computer Science and Mathematics

1997-2000

Budapest Polytechnic (Kandó Kálmán Polytechnic)

John von Neumann Faculty of Informatics, Real-Time Systems module
BSc. in Information Systems

1992-1997

Újpesti Műszaki Technical (Secondary) School, Budapest, Hungary

Major in machine manufacturing technologies (mechanical) and computer science (technician qualification)

Training Courses attended

- Enterprise Architect Training**, KDIV, Budapest, Hungary, 2014
- Interbank Clearing System (ICS)**, GIRO ZRt., Budapest, Hungary, 2006
- Project management – managing conflicts tr.**, CCC, Budapest, Hungary, 2004
- Perl course**, CCC, Budapest, Hungary, 2004
- Object Oriented Design**, CCC, Budapest, Hungary, 2004
- Project manager training course**, CCC, Szeged, Hungary, 2004
- MQSeries Application Programming**, IBM, Budapest, Hungary, 2002
- Technical Introduction to MQSeries**, IBM, Budapest, Hungary, 2002
- Software Test Automation (Mark Fewster)**, NOKIA, Helsinki, Finland, 2001
- Systra System Training for GSM**, NOKIA, Budapest, Hungary, 2000

Computer and Programming Skills

Operating system skills:	MS Windows, Linux
RDBMS:	Oracle, Postgres, MySQL, MS SQL
NoSQL databases:	MongoDB
Programming languages:	Java
Programming Technologies:	JEE
Other programming skills:	SQL, PL/SQL, Python, Assembly, OpenGL, Delphi, Visual Basic, Android
Web/Appl. servers & middleware:	Weblogic, JBoss/WildFly, Glassfish, SUN Application server, IBM MQ Series, ActiveMQ, LDAP, IIS, Tomcat, Apache, Jetty
Internet Technologies:	JSF (ICEFaces, PrimeFaces), JSP, Struts, ASP, PHP, HTML, JavaScript/VBScript, XML, XSL/XSLT, XSD, WML, SOAP, WebServices (CXF, JAXWS, AXIS) with WS Security, SOA, MicroServices, REST

Frameworks:	Spring,, BIRT, Java POS, Quartz, iText, Jasper report, OSGi
BPM:	BPMN, CMMN, DMN, jBPM, Camunda, Activiti
Continuous integration:	Jenkins, Hudson
ORM:	Hibernate, EclipseLink
Code coverage:	Cobertura, EMMA
Code analyzer:	PMD, Checkstyle, Findbugs
Automated testing:	Mercury Interactive Test Director / Quality Center (+admin) WinRunner / QuickTest Pro, Rational Test, JUnit, LUX/ASTE, SoapUI, Selenium
Modeling methodologies:	UML
Modeling tools:	Enterprise Architect, MagicDraw, ArgoUML, Jude, Rational Rose
MDA tools:	AndroMDA, KissMDA
Project management:	PRINCE2, Agile
Project management tools:	MS Project, JIRA (for project tracking), Confluence
IT service management practices:	ITIL
SCM / Version control:	SubVersion, GIT, Perforce, ClearCase
Security:	PKI, CAdES, XAdES, PAdES, ASiC, timestamping
Application lifecycle phase mngmt:	maven
Indexing:	Solr, Lucene
Micro controller:	I552 – assembly, PIC 16F8XX, Arduino
Bank/Trading related:	Forex, BIC ISO message standards
Telecom/Mobile:	LBS System, SMS, WAP, GSM
Rapid Application Development:	Eclipse, NetBeans, Borland JBuilder, Borland Delphi, Metrowerks CodeWarrior, Visual Studio
Software containers:	Docker
Other tools:	Flyway

Language skills

- Intermediate English
- basic German

Other Skills

- Software analysis and design, UML
- Creating feasibility studies
- Leadership experience
- In-depth knowledge of software testing methodology and software development life cycle
- Practice in English documentation and communication
- Drivers license (type “B”)

Professional profile

- Strong experience in object-oriented development: analysis, design, and programming
- Training, mentoring, and guiding a team members
- Quick learning and adaptation skills, systematic and efficient problem solver
- Good communication and interpersonal skills
- Reliable, accurate, interested in new technologies
- Creative problem-solver, can design solutions and envisions business and technical perspectives to develop workable solutions.
- Seasoned IT professional with comprehensive business technical skill set and expertise in business processes, requirement analysis, workflow design, leadership, project management, leadership, testing/quality assurance
- Highly motivated to achieve goals, constructive in advising others
- Ability to effectively prioritize a variety of responsibilities

Interests

Cycling, playing soccer, hiking mountains, badminton, squash, traveling, reading, listening to music