

## Resume of

# Dipl. Math. **Gregor Raýman**

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## Personal Data

**Mail:** [rayman@grayman.de](mailto:rayman@grayman.de)

**Year of birth:** 1970

**Marital status:** single

**Nationality:** Slovak Republic

### Key skills:

- Object oriented methods (OOA, OOD)

- Requirement analysis, modelling and implementation of distributed, internet-based and client/server systems

- Design and implementation of (object-) relational Databases

- Training and coaching OOA, OOD, OOP and XML

### Languages:

- German: fluent

- English: fluent

- Czech: fluent

- Slovak: mother tongue

### Availability:

- Preferred Locations: Germany 4 and 5

- Europe

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## IT Skills

### Object Oriented Methods:

- Analysis and design of complex systems, (UML, OMT, OOSE)

- Requirements analysis, use cases

- Analysis and design patterns

- ER-modelling, database design

### Case Tools:

- Rational Rose

- Together J

- Select Enterprise

- Power Designer

- Oracle Designer 2000

**Databases:**

Oracle 7.3, 8.0, 8.1; PL/SQL; OCI  
MS SQL Server 6.5, 7.0, 2000  
MS Access 2.0, 97, 2000  
AdabasD 8, 10

**Application servers:**

BEA WebLogic  
Borland Application Server  
JRun  
JBoss, Tomcat

**Java:**

J2SE, J2EE  
AWT  
Swing  
Java Beans  
JDBC  
RMI  
Servlets, JSP, Taglibs, Jakarta Struts  
Enterprise Java Beans  
Java Mail  
JMX

**XML:**

XML modelling, DTD, XSD  
XSL, XSP, Cocoon  
SOAP, Biztalk

**Delphi:**

Object Pascal, VCL  
DBE  
ADO Express  
Development of VCL components

**C++:**

Microsoft Visual C++  
MFC  
ATL  
STL

**MS Windows Technologies:**

Microsoft Certified Solution Developer  
C#, IIS, ASP  
Windows SDK  
DCOM, VBA, VBScript

**Other:**

Linux

Python, Tk, PHP, Ruby

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**Education**

1989-1994 **University of Leipzig, Section Mathematics**

**Degree:** Diplommathematiker (graduated mathematician)

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## Experience

- 2004/04-... Project / Branch:  
**Network planning / Telecommunication**  
Analysis, Design and implementation of a network planning tool (Rack Mounted Equipment)  
**Technology:** UML, Oracle 8i, Java, JBoss, NetBeans, Toplink, Hibernate, XDoclet  
**Position:** Consultant  
**Tasks:** Architecture, Analysis, Design, Implementation  
**Teamsize:** ~10
- 2002/04-2004/03 Project / Branch:  
**Customer Care / Telecommunication**  
Distributed customer care application. The application is being used in the points of sale, the call-centres in the back-offices and by various service providers. It is connected to other system components like the network management or the charging and billing system.  
**Technology:** Visual C++, Sun CC, Win32, Solaris, MFC, TFC, Oracle 8i, PL/SQL, Power Designer, Rational Rose Modeller  
**Position:** Developer  
**Responsibilities:** Architecture, Design, Development  
**Team size:** ~30 people in the development team
- 2001/11-2002/03 Project / Branch:  
**Network Planning / Telecommunications**  
Analysis and design for backbone and access net planning tool  
**Technology:** UML, Oracle 8i, PL/SQL, OCI, Visual C++, Java, EJB, OC4J  
**Position:** Consultant  
**Responsibility:** Architecture, Analysis, Design
- 2000-2001 Project / Branch:  
**XML Training / IT Consulting**  
Training and coaching of XML. Covered topics: XML basics, XML modelling (UML and XML), DTD, XSD, XSL, XSP
- 2000-2001 Project / Branch:  
**UML Training / IT Consulting**  
Training and coaching of analysis and design of complex systems with UML. Basics of OOA, OOD and OOP

- Project / Branch:  
2000-2001 **Lotto / Financial services**  
Specification, analysis and design of distributed system for management of gaming communities.  
**Technology:** Database: Oracle 8i, SQL Server 2000. Client: Delphi 5  
**Team size:** 7  
**Position:** Project manager  
**Responsibilities:** Requirement analysis, Specification of the subsystems, analysis and design, team coordination
- Project / Branch:  
2000-2001 **KANBAN / Automobile industry**  
Specification and analysis of an internet based information broker for supply chains among various participants (supplier and customer)  
**Technology:** EJB, JSP, Servlets, XML, SOAP  
**Team size:** 4  
**Position:** Project manager  
**Responsibilities:** Requirement analysis, specification of the system, analysis and design, team coordination
- Project / Branch:  
1999-2001 **VIKTOR / Automobile industry**  
Intranet with planning data of an automobile producing company and its suppliers  
**Technology:** The first version used Microsoft IIS, ASP and Delphi components. The current version uses J2EE, JSP, Servlets, Cocoon XSP, EJB, JavaMail and the Struts framework. Application server: JBoss/Tomcat; Databases: AdabasD, Oracle 8i  
**Team size:** 3  
**Position:** Project manager  
**Responsibilities:** Requirement analysis, analysis and design, parts of the implementation
- Project / Branch:  
1999-2001 **AMA4000 / Automotive**  
Analysis, design and development of an user interface and persistence storage for an exhaust gases analysing devices. Conception of a meta-database, development of custom visual controls, connection of the user interface with the hardware tier  
**Technology:** Delphi, MS Access  
**Team size:** 6  
**Position:** Technical analyst, Project manager  
**Responsibilities:** Design of the architecture, analysis and data modelling, coordination of the on-site and foreign team

- Project / Branch:  
1997-1998 **GALA / Automobile industry**  
Bottle neck oriented planning system for an automobile producing company  
**Technology:** Client/server system. Databases: MS Access, AdabasD, Oracle 8i;  
Clients: Visual C++, MS Access, Delphi  
**Team size:** 5  
**Position:** Analyst, Developer. Team coordinator  
**Responsibilities:** Requirements analysis. Modelling in CASE OOA/OOD. Database design and generation from an OO-CASE tool, as well as code generation. Interfaces to other systems
- Project / Branch:  
1998-2000 **DIAS / Energy services**  
Billing system for a large energy provider  
**Technology:** Oracle 7.3, Delphi 3  
**Team size:** app. 20  
**Position:** Developer  
**Responsibilities:** Development of Delphi VCL components, Distributed print server (NT service, DCOM), Development of the user interface
- Project / Branch:  
1997 **Graphical editor / Telecommunication**  
Graphical editor for network planning  
**Technology:** MS Visual C++  
**Position:** Consultant  
**Responsibilities:** Development of the graphical algorithm for visualisation of network diagrams
- Project / Branch:  
1997 **Network planning / Telecommunication**  
Client/server application for network planning.  
**Technology:** Oracle, MS Access  
**Position:** Consultant
- Project / Branch:  
1996 **CAS96 / Automobile industry**  
Catalogue based Computer Aided Selling system for travelling salespeople  
**Technology:** Microsoft Access, Adabas D, Visual C++  
**Team size:** 6  
**Position:** Consultant  
**Responsibilities:** Analysis and design, database modelling, development of the user interface, coordination of an external team

Project / Branch:  
1996 **SND, ContextGraph / IT Consulting**  
Semantic Network Designer: Tool for visualisation of semantic networks  
**Technology:** Visual C++  
**Team size:** 5  
**Position:** Consultant  
**Responsibilities:** Development of an algorithm for visualisation of oriented graphs.  
Coordination of an external team.

Project / Branch:  
1996-2000 **BOBRA / IT Consulting**  
Management of cooperation with external teams  
**Position:** Coordinator  
**Responsibilities:** Communication with several teams abroad. Project management.  
Task assignment

Project / Branch:  
1996 **MAGMA / CRM**  
Customer-Relationship Management System. Marketing-Information-System. System  
for managing call centres and marketing campaigns  
**Team size:** 8  
**Position:** Developer  
**Responsibilities:** analysis, design and implementation of the following subprojects

Project / Branch:  
1996 **MAGMA - PINK / CRM**  
Design and implementation of a scriptable data transfer utility.  
**Technology:** C, Oracle ProC, Unix

Project / Branch:  
1996 **MAGMA - MS Mail / CRM**  
Design and implementation of an interface to MS Mail and MS Schedule+  
**Technology:** Visual C++, MAPI

Project / Branch:  
1996 **MAGMA - GB Mail / CRM**  
Design and implementation of an interface to GB Mail (Address checking system for  
United Kingdom).  
**Technology:** Visual C++

- Project / Branch:  
1995 **MIA / Control and security systems**  
Distributed security and control system  
**Technology:** Borland C++ 4.5, OS/2, Assembler  
**Team size:** 4  
**Position:** Developer  
**Responsibilities:** Specification, analysis, design and implementation of various subsystems
- Project / Branch:  
1995 **SPEAKER / Oil drilling industry**  
Intelligent speaker system for Norwegian drilling platforms  
**Technology:** Neuron C for die Neuron-chips (Echelon)  
**Team size:** 3  
**Position:** Responsible for the software  
**Responsibilities:** analysis, design and implementation of the software
- Project / Branch:  
1995 **Line Picker / Surveillance**  
Communication centre for Swedish border police  
**Technology:** Assembler  
**Position:** Developer; QA  
**Responsibilities:** Development of a custom low level multi-tasking operating system for special hardware
- Project / Branch:  
1993 **Bookkeeper / Accounting**  
Design and implementation of an accounting system  
**Technology:** Borland Pascal 6.0, Turbo Vision  
**Position:** Developer