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Mariana Cecilia D'Abreu

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Professional experience

- (2015-present) ServiceMax
    - Senior Developer on the backend of Max platform

      Responsibilities: Analysis, design and implementation of new features and APIs on the backend of Max platform.

      Technologies applied: Java, Ruby, Groovy, Spring Framework, Maven, PostgreSQL, REST, Git, JUnit, Unix

- (2011-2015) Intalio
    - Senior Developer on the backend of Max, a Cloud Restful platform to build enterprise applications.

      Responsibilities: Analysis, design and implementation of new features and functionality on the backend of the platform.

      Technologies applied: Java, Ruby, Groovy, Spring Framework, Maven, PostgreSQL, REST, Git, JUnit, Unix

- (2008-2011) Verizon Business
    - J2EE Senior Developer - Logical Provisioning System

      Responsibilities: J2EE Senior developer on the backend system that provisions and troubleshoots the data network services. Analysis, design and implementation of new features. Estimation and tasks planning.

      Technologies applied: Java/J2EE, EJBs, Web Services, SQL/Oracle, WebLogic, UNIX. Routers configuration: Cisco (IOS, IOS-XR) and Juniper (JunOS)

- (2006 - 2008) Clarin Global, a leading Internet content media provider in Argentina, publishers of the clarin.com online newspaper and e-commerce portal.
    - (2007-2008) Technical leader for the *www.masoportunidades.clarin.com* e-commerce application

      Responsibilities: Technical leader. Analysis and design of new functionalities. Estimations and project planning. Coaching.
      Technologies applied: Java/J2EE, Struts, Hibernate, Eclipse, Oracle 10g,

Tomcat y SunOne Application Server. Web programming: JSP/Javascript/HTML/CSS, XML and Web Services. Agile methodologies.

- (2006-2007) Senior Developer for the classified ads application backend
  Responsibilities: design and implementation of new modules for the on-line classified ads platform: SSO (single sign-on), search engine optimization, classified ads publication via web services, etc.
  Technologies applied: Java/J2EE, Struts, Hibernate, Eclipse, Oracle 10g, Tomcat y SunOne Application Server. Web programming: JSP/Javascript/HTML/CSS, XML and Web Services. Agile methodologies: XP.

- (1998-2005) IBM Argentina employee, working for several clients and projects, among them:

  - (2005) Technical leader for Management, Provisioning and Maintenance system - Telefónica de Argentina.
    Responsibilities: technical leader of two web modules of the system. Analysis, design, programming and coaching of team members. Project planning and management. Technical documentation (Use Cases, UML)
    Technologies: Java/J2EE, Struts, Spring, Hibernate, WebSphere Application Server, Oracle, MQ Series (MDB, JMS) and web programming.

  - (2004) Proposal team member – Telefónica de Argentina.
    Responsibilities: technical assistance to the proposal team. Architecture documentation

  - (2004) Sr Developer for Commercial Management Portal - Integration group - Telefónica de Argentina.
    Responsibilities: analysis, design and implementation of workflow processes integrated with MQ Integrator. MQ Workflow configuration and tuning. Design and implementation of client authentication system via PKI (digital certificates)
    Technologies: Java (AIX y Windows), MQ Series (JMS), MQ Workflow , MQ Integrator, XML, XSLT, scripting (perl, awk, unix shell), UML.

  - (2003) Sr Developer for E-procurement web application - IBM internal
    Responsibilities: maintenance of e-procurement web application. Working as a remote team member, interacting with a team located in USA and Canada.
    Technologies: C++, Java, WebSphere Application Server, AIX.

  - (1999 - 2003) Sr Developer at E-Business corporate bank system - Maintenance - Banco Río.
    Responsibilities: design and implementation of new modules. Batch processes programming. Performance analysis and tuning. Scripting. Front-end re-engineering.

Technologies: C++, MQ Series (MQI), DB2, Oracle (OCI), AIX, scripting (perl, awk, unix shell), Java and web programming (JSP/Servlets/XML/XSL/Javascript)

- (1999) Developer for E-business corporate bank system - Banco Río
  Responsibilities: front-end and core modules design and programming.
  Technologies: CGI, HTML, Javascript, Java (applets), C++, MQ Series, DB2, AIX.
- (1998 - 1999) Junior Developer for Kiosk terminal application - IBM internal
  Responsibilities: flowchart and client/server communication module development.
  Technologies: Visual Basic, TCP/IP, sockets.

Technical knowledge

- Object Oriented Design and Programming, Design Patterns
- Back-End Web Development
- Java/J2EE, Groovy, Ruby
- Spring Framework
- Maven
- Test Driven Development, Unit & Integration Testing, JUnit, Mockito
- Jenkins
- RESTful WebServices, Microservices
- PostgreSQL, Oracle, DB2, MongoDB
- Basic knowledge of Cloud Foundry
- Hibernate
- Scripting (AWK, Perl, UNIX shell)
- C/C++ (AIX, Windows)
- XML, XSLT, DOM
- Notions of Javascript, HTML, CSS
- IDEs: Eclipse, WebSphere Application Developer Studio
- Application Servers: Jetty, IBM HTTP Server (Apache), Tomcat, SunOne, WebSphere, WebLogic
- GIT, SVN, CVS
- Protocols LDAP, HTTP/HTTPS, SMTP, TCP/IP
- PKI, digital certificates
- MQ Series (MQI, JMS), MQ Workflow, MQ Integrator notions
- Basic router configuration: Cisco (IOS, IOS-XR) and Juniper (JunOS)
- Agile Methodologies
- JIRA, Tasks planning and estimation

University Degrees

- Licenciada en Ciencias de la Computación (Master in Computer Science equivalent) - Universidad de Buenos Aires - Facultad de Ciencias Exactas y Naturales (1994-2004)
- Analista Universitario en Computación (Bachelor in Computer Science equivalent) - Universidad de Buenos Aires - Facultad de Ciencias Exactas y Naturales (1994-2000)

Training seminars

- Negotiation - IDEA (2009)
- Team leading – IBM Argentina (2005)
- UML 2 – ECI'2004 – FCEYN – UBA (2004)
- WebSphere Portal Server – IBM Argentina (2003)
- Requirements engineering – ECI'2000 – FCEYN – UBA (2000)
- Visual Programming with VisualAge for Java – UBM (2000)
- Technical Introduction to MQ-Series – UBM (1999)
- Academical courses, among them: object oriented design and programming, systems simulation, compilers design, image processing, data compression techniques, etc. – FCEYN - UBA

Refereed publications

- "A Bond-Graph mapping mechanism for M/CD++". M. D'Abreu, G. Wainer. In Proceedings of the 2006 SCS Summer Computer Simulation Conference. SCSC 2006. Calgary, AB, Canada. MM, HY, TO
- "Experimental results on the implementation of Modelica using DEVS modeling and simulation". M. D'Abreu, G. Wainer. Proceedings of SpringSim 2006 (DEVS Symposium). Huntsville, AL. USA. 2006. HY, TO, MM
- "M/CD++: modeling continuous systems using Modelica and DEVS". M. D'Abreu, G. Wainer. Accepted for publication in MASCOTS 2005. Atlanta, GA. 2005
- "Defining hybrid system models using DEVS quantization techniques ". M. D'Abreu, G. Wainer. In Proceedings of the Winter Simulation Conference. New Orleans, LA. U.S.A. 2003.

Languages

English: professional working proficiency
French: elementary proficiency