

Alexander Parij

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JOB OBJECTIVE

Outstanding software professional with over two years of experience, who is seeking a RIA web development position that will allow me to contribute my problem solving and communication skills and continue to develop my Adobe Flex, Python and Java skills. I am receptive to new ideas and willing to be involved in a wide range of projects.

TECHNICAL SKILLS BY APPLICATION

- Languages: Actionscript 3, Java (J2SE/J2EE), Javascript, C, Python, Lisp/Clojure.
- Frameworks: JSF, Jboss Richfaces, Cairngorm, Adobe Flex, Adobe Air.
- Web Technologies: Facelets, Adobe Flash, HTML/XHTML, CSS, RESTfull, Ajax, PPC, SEO, Google AdWords .
- Software development: Object-Oriented Programming, Design patterns, UML,TDD, Functional Programming.
- Databases: MySQL.
- Tools: Adobe Flash CS3, FAME, Eclipse, Tomcat, Emacs.
- Network: TCP/IP, HTTP, EGPRS, LDAP,AMF.
- Application Software: Maple, Matlab, Mathematica.
- Version Control: CVS, Perforce, SVN,Git
- Testing: FlexUnit, Junit.
- API: Google Analytics, Adwords, Paypal

SKILLS and STRENGTHS

- Love for experimentation and new technologies and discipline for working on legacy code and routine coding.
- Software design and development: Well versed in Adobe Flash/Flex RIA stack, traditional Java web development platforms and back-end development using Python and Java.
- Working knowledge of C (Linux systems programming)and experience with embedded systems development.
- Solid knowledge in Computer Science, Physics and Mathematics.
- Languages : English - excellent writing and communication skills. French - intermediate oral, good writing and reading skills. Russian and Hebrew – mother tongue.

WORK HISTORY

Software Engineer Wordstream, Boston(remote from Montreal) April 2009 - Now
[Adobe Flex, Python, PyAMF, SEO, PPC, keyword extraction, Google AdWords API, Paypal API, SQL, SQLite, SQLAlchemy, Git]

- Early stage start-up , development of SaaS product, work on UI in Flex and on Python back-end as well
- Development of AMF remoting methods for client/server communications.
- API intergration – Adwords, Paypal, Google Analytics
- Research in statistics, data processing and Google AdWords keywords extraction algorithms.

Flex developer Coradiant, Montreal November 2007 – December 2008
[Adobe Flex, Flash, Actionscript , J2EE, JSF, Richfaces , Javascript , XHTML, XML, Ajax, RESTful]

- Built Flex dashboard components (widgets) using Flex charting engine and third party maps library. Utilized Cairngorm and FlexUnit frameworks. Extended Flex components to achieve closer result to the designer's prototype.
[Truesight Edge](#) , [Truesight IM](#)
- Improved the UI experience of existing Flex application by incorporation innovative ideas of RIA UI.
[Truesight AIM](#)
- Using Java wrote RESTfull services for the platform team for SNMP and SMTP communication.
- Built traditional Java web application using JSF and Jboss Richfaces with Java middleware.
- Utilized latest Ajax technologies to provide better experience. Extended existing JSF components to provide clean and strict generated HTML markup to ease designer's CSS work.

Software Engineer UI+Server Prova Scientific Inc.,Montreal June – October 2007
[Java 5, Actionscript 2.0, Flash CS3 IDE, Ant, XML , Perl, Eclipse, FAME]

- Designed and implemented UI features for memory testing device, used Actionscript 2.0 and Adobe Flash according to RIA principles.

- Using Java, implemented additional parts of the server layer, communication between UI (Flash) and QNX (C/C++) embedded system and the control of the whole testing system.
- Wrote Perl scripts for easy translation between JEDEC standards to XML data for use in UI graphic representation.
- To develop the UI used FAME, Flashout-Actionscript-MTASC-Eclipse open-source development environment.

DSP Firmware Developer Co-op

RIM, Waterloo

Winter 2006

[C, MIPS Assembly, EDGE, UMTS, voice codecs, embedded, DSP]

- Implementation of EGPRS (EDGE) and UMTS protocol stacks for the physical layer (L1) of the Blackberry advanced prototype device using C and Assembly languages on ARM processors.
- Investigated possible hardware resource conflicts in embedded multi-threaded environment and built an experimental dual mode solution.
- Optimized and reduced memory footprint of an EFR and an AMR voice codecs in Blackberry devices.

Websphere Courseware Developer Co-op

IBM, Toronto

2005

[J2EE, Java, RAD, Websphere, JSF, JSP, EJB, XML, XSLT, XSL-FO, Servlets, Javascript, HTML, RFID, WSAD, DB2]

- Developed, documented and packaged a JavaServer Faces and an Eclipse Plug-in Development courses.
- Collected and evaluated new emerging technologies for Eclipse and Websphere.
- Packaging of the courses involved extensive use of XML and XSLT technologies.
- Maintained and updated previously developed courses in JSP, EJB and Servlets development on Websphere platform.
- Added new features to Web Based Training package. Used XSL-FO, XSLT, HTML, Javascript for the development.
- Helped to develop and test "RFID Edge Application Development" course, used Java on Websphere Device Developer.

IT Support

York University Computing Services, Toronto

2005

[Javascript, HTML, QA]

- Javascript and HTML programming for the faculty inventory system resulted in an increased effectiveness of the system.
- Tested php+MySQL based inventory system: built test cases, executed them, documented the bugs and the possible solutions, also suggested improvements to the system's design.
- As IT team member provided network installations, administration and troubleshooting for multiple platforms
- Help desk support for over 200+ faculty members both over telephone and in person.
- Significant and direct interaction with non-technical clients and technical colleagues.

PROFESSIONAL DEVELOPMENT

JSF development using Websphere certificate – IBM

November 2005

MILITARY SERVICE

Combat Fighter Israeli Defense Force

Israel

1999 – 2002

Was trained as MLRS(multiple launching rocket system) fighter.

EDUCATION

Honours Double Major Computer Science and Physics

York University, Toronto

2002 – 2007

Computer science courses included:

- Operating Systems Design – designing parts of OS. Used C language with Linux kernel.
- eCommerce systems - technological infrastructure of eCommerce systems.
- Computer Vision – developed a Matlab project for real-time object's relative depth recovery using stereopsis principles.

Physics courses included:

- Digital communications and time series analysis
- Optics
- Laser Physics
- Electrodynamics

Student exchange program

University of Crete, Greece

Summer 2006

Summer school in biorobotics.

H.S. Diploma, Computer Science Shalom High School

Kiryat-Gat, Israel

1998

Specialization on computer science - planning and programming of management structures.

PERSONAL INTERESTS AND PROJECTS

Personal project : Education software to learn a new language using lyrics, written using Adobe Air framework.

<http://www.singandstudy.com>

Hiking, functional languages, machine learning.