| 31W765 Orchard Ln., | Phone: (847)204-7068 |
|---------------------|-----------------------------------|
| Wayne IL, 60184 | E-mail: mark.kedzierski@gmail.com |
| | Website: http://kedzie.github.com |

Marek Kedzierski

| | Maick Neuzierski | | | | |
|-------------------------|--|--|--|--|--|
| Overview | Season developer with 10+ years experience in application development. I have spent the past 3 years focused on Android development, beginning with my Google Play Store application 'VirtualBox Manager' which has 12,000 installs with 4+ star rating. | | | | |
| Education | 2001-2005 University of Texas Austin, TX B.A. Computer Sciences • Completed CS370 Undergraduate Research & CS379H Honors Research Thesis with A's. | | | | |
| Android Development | VirtualBox Manager Application 4.1 star rating (20,000->25,000 installs) on Android Market Control Oracle VirtualBox installation remotely using Webservice API Exposes complete API, i.e. Start/Stop, Snapshots, State saving Display Virtual Machine details and log files Real-Time CPU/Memory metric graphs Source code available at GitHub https://github.com/kedzie/VBoxManager | | | | |
| | Android Support v4 with NineOldAndroids Allow Object Animators for Fragment Transitions Use PageTransformers in pre-HoneyComb Source available http://www.github.com/kedzie/Support_v4_NineOldAndroid | | | | |
| Professional experience | 02/13-Present BTS Consulting Burr Ridge, IL Android Developer Android development for custom tablet with OS modifications to support custom functionality. OS development to support custom SystemUI (status bar, navigation bar), window z-order, touch & drag event dispatching, keyboard display. Developing of custom views to match UI/UX specs, AIDL services for IPC, content providers. | | | | |
| | 09/12-2/13 Yotimbe San Diego, CA Android Developer Built application with RESTful backend services Integrations with Facebook, Twitter, Youtube & PayPal Implemented Android recommended design/navigation patterns, including fragment layouts for tablets Single APK with backwards compatibility using Google support libraries and ActionBarSherlock | | | | |

| 04/12-8/12 Chicago Tribune Senior Android Developer | Chicago, IL |
|--|---------------------|
| Developed android application for viewing | news media |
| • Used Honeycomb, ICS & Support APIs. | |
| 06/11-2/12 HS2 Solutions Web Developer & Architect | Chicago, IL |
| Implemented an insurance claim processin (user-editable) business rules using Jboss I Lead an effort supporting effective & effic by business users. including: | Rules & Guvnor |
| Separate object model for rule execution, authoring, with type conversion handled by rules. | |
| robustly designed DSL and rule templates | |
| Converted existing rule spreadsheets to De Guvnore rule templates | ecision Tables and |
| Used Gitorious repository as back-end stor developing custom git modeshape connect | |
| 12/10-06/11 University of Chicago Java/Python Engineer (workflow specialist) | Chicago, IL |
| Advised team on possible value & cost of in project with a business process/workflow | |
| Developed proof-of-concepts of various was solutions | orkflow-related |
| Created web applications with Python + Pytemplates) | /lon (Mako |
| Java portlets in Liferay | |
| 2/10-12/10 MK Consulting President/Lead Developer | Chicago, IL |
| SOA/SaaS/Cloud architecture specialist. De developed SA applications, services & ESB using Java EE. | |
| Finding my own clients, requirement gather lifecycle development. focus on solving but rather than 8 hours. | |
| Leveraged Jboss jBpm 4.x to automated by regarding communications between poten vendors for internet marketing application | itial clients & |
| Developed user interfaces using Google W PHP & Javascript. RESTful web services. E. JPA/Hibernate. SOLR search capability. | |
| 8/09-12/09 NAVTEQ J <i>2EE Senior Architect</i> | Chicago, IL |
| Developed extensions to JBoss jBPM to su based authorization. | pport object & role |
| Designed an integration layer which allowed with any implementation of the java securion. | - |
| 11/08-5/09 MIT Lincoln Laboratory Bosto | on, MA |

Software Engineer

- SOA/SaaS architecture specialist. Designed & developed SA applications, services & ESB infrastructure using Java EE.
- Integrated applications, including those developed in C++ & Matlab, developed by other laboratory groups into a SOA architecture. Clients discovered services from UDDI registry.
- Developed 3D GIS visualization client using GeoTools & OpenGL.
- Applications communicated via Cursor-on-Target & CRD schemas for Situational Awareness & route planning.Integrated with Falconview.
- Developed Proof-of-Concepts and gave demonstrations

7/07-7/08 **Pervasive Software, Inc.** Austin, TX *J2EE Software Architect*

- Developed an enterprise platform (SaaS/SOA Architecture)
 which allowed the company to expose their core technology
 engine to thousands of users with a SaaS (Software As A
 Service) business model and to orchestrate business
 processes with BPEL.
- Developed an Enterprise Service Bus (ESB) which leveraged existing proprietary technology while adding features such as High Availability, scalability, multi-tenancy, BPEL orchestration, JMX/SMNP monitoring, and content management.
- Lead the entire development life-cycle from requirements and release; including the design/implementation of a semi-formal iterative process.
- Implemented the application using J2EE 5 technologies including JBoss 4.2 AS, EJB 3, JAX-WS, JMX. Also used JBoss jBPM, Hibernate, BPEL (Apache ODE), JMX, JSF, and Spring. Developed development tools as Eclipse Plugins.

8/05-6/07 **KiTS** *Java Developer*

Round Rock, TX

- J2EE Development of a SOA architecture using IBM WebSphere and Oracle. Daily experience developing Web Services, EJBs, Hibernate, ESB, JSP, JMS, JMX, Java WebStart, JBoss AOP, and JBoss Rules. Implemented ESB using WebSphere ND, WebSphere Process Server, and WebSphere MO.
- Developed POC for C2(Command & Control)/SA (Situational Awareness) application which utilized 200+ Gigabytes of GIS data in various formats (DTED 1&2, CADRD (1:25k, 1:50k, 1:100k, 1:1Mil, 1:5Mil), CID (1M, 5M), GeoTIFF(1:1M). Used OpenMAP framework to load file formats. Developed custom 3D rendering with OpenGL which dynamically loaded map data based on the visible area in the current viewpoint. Optimal map scales were chosen based on viewpoint, data availability, and user override preferences. Multiple scales of satellite/map imagery could be layered onto optimal level of DTED elevation data. Screen shots available on website.
- As a IBM Business Partner, KiTS adopted Rational Unified Process with ClearCase, ClearQuest and Rational Software Development Platform. Used model based development with UML.

| Co-designed & implemented business logic & validation rules using Fair Isaac Blaze Advisor before converting to JBoss Rules after licensing issues. Both were integrated with the application code non-intrusively via JBoss Aspect Oriented Programming. Took on major role in early design/development of J2EE/SOA data initialization software, for US Army, deployed on IBM WebSphere Application Server. Designed & Implemented persistence layer using JBoss Hibernate technology with an Oracle 10g Database. Developed user interface using Swing and JSP. Implemented client-server communications using JAX-RPC |
|--|
| webservice delegate/facade pattern. Delivered client to user via Java WebStart. Was brought on as a full-time salary employee by KITS after six month minimum period; supported successful delivery of production application to the Army. |
| 8/97-12/00 (4 year gap is college) Motorola Schaumburg, IL C++ Programmer Started working at the age of 15. Continued until I went to |
| study at the University of Texas at Austin. Took on major role in the development of a virtual reality training application for use in Motorola factories. Developed interactive 3D environment using Direct3D and Microsoft Visual C++. |
| Summer 2007 Independent Research Austin, TX Independent Research: Polyphonic Transcription VST Plugin Developed Virtual Studio Technology Plugin implementation of the polyphonic music transcription algorithm described below. Optimized algorithms for production use. Used C++. (Code available on request of potential employer) |
| Summer 2005 University of Texas Austin, TX Polyphonic Transcription: Parallel Implementation Developed a parallel processing implementation of polyphonic music transcription algorithm(described in next section). Tested on supercomputers with thousands of processors. Wrote a paper describing results and lessons learned. |
| Spring 2005 University of Texas Austin, TX CS379H Honors Thesis: Polyphonic Transcription Continued previous research by implementing polyphonic music transcription using Bayesian statistical modeling (Switching Kalman Filter Model). Developed effective application under Matlab environment; included mono/polyphonic transcription as well as instrument-specific EM parameter learning algorithm. Performed research independently, which was later evaluated by Professor Novak as well as former Chairmen of Astronomy, Bill Jefferys. Received an A for the course. |
| |

| Developed software which detected the pitch of re audio input and converted it to MIDI messages. Ear for independent research supervised by Prof. Gordon. | ned an A on Novak. ncy |
|--|---|
| Implemented using DFT based fundamental freque detection; as well as an original note onset/offset of algorithm. | etection |
| Security Clearance Active DoD SECRET security clearance. | |
| Technical Skills Languages: Java/JEE, Python, C, C++, HTML, CSS, Javascript MATLAB Mobile: Android Java/J2EE 5: Web Services (JAX-WS, SOAP, JAX-RPC, JAXB, JAXR, JPA, JMX, JMS, BPEL, Ant, Maven, Subversion, CVS, JUSpring, Quartz, Eclipse/SWT, JNI Apache: Tomcat, HTTPD, Wicket, ActiveMQ, ServiceMix, JUDODE, CXF, Axis, Axis2, Log4j, Commons (Logging, BeanUtils, Collections, Lang), Struts Web 2.0: Dojo, jQuery, GWT JBoss: Drools, jBPM, Hibernate, Microcontainer, ESB, Cluste Application Server IBM: RSA, WebSphere, Process Server Databases: Oracle 9i/10g, PostGres, MySQL, DB2 Statistics: Bayesian Models, Switching Kalman Filter, Viterbiestimation, Markov Model, stereo vision | UDDI), Init, JSF, DI, Scout, red |