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**SKILLS AND
BACKGROUND**

- Have worked mainly with Java in the web and systems integration contexts since 1997. Highly comfortable with standard frameworks such as Spring and EJB 3 for applications, Hibernate and TopLink/JPA for persistence, and multiple proprietary packages. Experienced with Scala parallel programming on the JVM, as well the Lift framework for Scala applications.
- Familiar with Oracle, DB2, PostgreSQL, and MySQL database environments. Limited exposure to NoSQL systems such as Google BigTable and MongoDB. Also experienced with systems integration using message queue middleware (JMS) and web services (both SOAP and RESTful).
- Mid-level command of JavaScript, including the Prototype/Scriptaculous and Dojo frameworks. Limited exposure recently to jQuery. Understand the XMLHttpRequest object and JSON data format.
- Used Perl in scripting tasks for over 12 years, shifting more toward Python over the past 6-7. Experienced with the Django framework for small Python apps, as well as embedding the Jython interpreter inside Java applications. Limited exposure to Groovy scripting on the JVM.
- A diverse set of personal interests, from intellectual property law to playing violin in a community orchestra. Active in Toastmasters International (a public speaking organization), with excellent oral and written communication skills. Interact very well with clients and business stakeholders.
- Have worked in environments ranging from the Fortune 500 to small start-ups, and with project methodologies ranging from the highly formal to the extremely agile. Am very proactive in offering new approaches, yet very mature in getting the job done as things are.

EXPERIENCE

Senior Java Developer

4/11 to present

Purchasing Power, Atlanta, GA

- New position... this resume section will be fleshed out as the role settles.
- Web commerce development, based on Spring MVC and Hibernate, with limited front-end development involving DWR and YUI for AJAX.
- Systems integration between the web applications and back-end business systems, including both in-house (e.g. Oracle Financials) as well as outside vendor systems. Integration primarily involves SOAP or RESTful services.
- Development of back-end service tier systems, primarily using Scala and the Lift application framework.

Senior Java Developer

9/10 to 4/11

Ericsson, Duluth, GA

- Member of small team integrating the OpenStream video-on-demand platform with the IAP portal suite for content carriers. Primary areas of business logic included catalog management for video assets, tracking rentals and equipment provisioning, and limited exposure to DRM encryption.
- Architecture was based on EJB 3 business components with JPA entities, running on GlassFish application servers and Oracle databases, with the functionality exposed through EJB remote interfaces and a JAX-WS web service layer.
- First of two main initiatives was enhancing catalog management, to go from a sequential approach to a distributed approach where work is spread out in parallel across multiple nodes in the app server cluster. Second initiative involved early steps toward migrating from JAX-WS to a RESTful service layer using JAX-RS. Limited front-end work with internal admin applications, based on Spring MVC.
- Team environment required working with resources in Sweden, Canada, and China simultaneously... while transitioning from a traditional waterfall process to a more agile

methodology.

Software Developer

8/09 to 9/10

CNN, Atlanta, GA

- Handled back-end systems integration between internal applications as well as with outside partners, to make their digital content available to CNN.com webmasters and vice-versa. Limited front-end development as well, using the Prototype and script.aculo.us JavaScript frameworks for AJAX and JSON manipulation.
- First primary project involved transitioning to new data providers for all CNN weather forecast and financial quotes content. Lead responsibility for the transition on mobile.cnn.com, serving mobile device content in legacy formats targeted at the Japanese and European markets.
- Second primary project was to design and build a REST service for the 2010 mid-term elections, to be used by various applications for looking up all candidate and race information in a given area.
- Public-facing content was primarily Java-based, using Spring with Hibernate. Internal applications were primarily developed in Perl. Both realms involved heavy transformation of XML data via XSLT.
- Internal integration technologies included Java RMI and MQ messaging, with SOAP services used for integration with external partners.
- Expected to be largely self-directed, and take initiative in requirements-gathering and issue resolution with the newsroom producers and other business stakeholders.

Summer Legal Intern

5/09 to 8/09

Office of the Clayton Circuit Public Defender, Jonesboro, GA

- Represented felony defendants under the Third-Year Practice Act, cross-examining police officers and making closing arguments in preliminary hearings. Also responsible for researching pre-trial motions and internal memoranda on case law.
- Negotiating plea agreements with the assistant district attorneys.
- Conducting client and witness interviews involving a broad array of personalities under emotionally-charged circumstances.

Software Developer

11/08 to 5/09

Internap, Atlanta, GA

- Developed and extended billing and operational systems for a publicly-traded Internet solutions company, under an agile/scrum based methodology.
- Enterprise architecture consisted of Struts-based Java and legacy Perl applications, running on a blend of Linux and Solaris-based JBoss servers and incorporating Oracle databases.
- Managed builds with the Hudson continuous integration engine, and was responsible for ensuring compliance with Sarbanes-Oxley software testing requirements.
- Primary project was integrating operational data from a recently-acquired competitor into the company's Oracle BRM billing system.
- Helped to mentor team members in acquiring the Perl skills to maintain existing legacy code, and spearheaded efforts to migrate some Perl-based operations to the more Java-friendly Groovy scripting language.
- Was in the process of designing an AJAX-based front-end to facilitate infrastructure management, evaluating a Spring approach vs. Groovy on Grails.

Software Developer

8/07 to 11/08

TRX, Atlanta, GA

- Developed data aggregation and mining solutions for financial clients, for the purpose of identifying useful information about consumer spending patterns.
- Enterprise architecture consisted of Java and Perl development on Linux-based Tomcat servers, incorporating DB2 and MySQL databases.
- Independently developed a Java-based task management system, adopted by management

- for resource allocation and project tracking.
- Developed a web-based GUI admin system for a business rules engine, utilizing Struts with a Hibernate data access layer and Dojo-based AJAX presentation layer.
 - Responsibilities overlapped with traditional project management roles... such as requirements gathering with the client, and coordination with QA and systems engineers. Considerations included working with offshore teams distributed across Europe and Asia, as well a local development team primarily of telecommuters.
 - Taught internal "lunch-and-learn" classes on areas of Java and Perl development.

Senior Consultant

6/02 to 8/07

Number Six Software, Atlanta, GA

- Cox Enterprises: Helped design and build the first release of OnlineVehicleExchange.com, an online auto auction system which has since grown into an autonomous subsidiary of the company with over 50 employees. The platform consisted of IBM WebSphere Commerce platform, with data storage in DB2. Had lead responsibility for the multi-threaded messaging subsystem (JMS), connecting the Linux and Java-based application server to legacy IBM midrange inventory servers. Also held responsibility for areas of the presentation layer, and helped develop the log4j-based logging subsystem.

Before rolling off onto my next project, did prototyping work in planning an eventual re-write of the application and migration away from WebSphere Commerce. The approach we developed replaced WebSphere with clustered Tomcat, the IBM framework with Spring, and the entity-EJB persistence layer with Hibernate.

For the last two years on the client site, was a team lead in the company's security and identity management initiative. This project incorporated Tivoli Identity Manager and Tivoli Access Manager to unify the company's multiple user registries, and provide single-signon (SSO) authentication for internal applications. Used IBM's reverse-proxy WebSEAL product to protect internal web applications and web services exposed through SOAP. I extended the WebSEAL product beyond the purpose for which it was originally designed, and was asked to train IBM Global Services on my solution so they could apply it for other customers.

- Number Six: In addition to client delivery for Cox Enterprises, also periodically taught training courses for the firm's corporate education division. Classes taught included IBM WebSphere Administration, XML/XSL Development, and a six-month Java Programming evening class.

Senior Consultant

7/01 to 6/02

Palarco Consulting, Atlanta, GA

- American Bank Note Company: The client had an existing web application based on BEA WebLogic and IBM DB2, selling gift certificates online for retail corporations such as McDonald's and Wendy's. The application was based on a framework of XML/XSLT content transformed by Java servlets with Xalan. Developed application enhancements, altering the mechanism by which credit card transactions are committed. Complications included working independently, communicating with a distributed development team across remote sites.
- Georgia Farm Bureau: The client held information about insurance policies on a central OS/390 mainframe, and wished to offer policyholders the ability to retrieve information about their policies via the web. Served as a tech lead in pre-sales support and project estimation, as well as the main development phase. Integration with the mainframe was achieved with IBM WebSphere and Host Publisher, using custom Java code to transform and format the data for delivery.
- Mohawk Carpet: The client outsourced to multiple firms the creation of an overall e-commerce solution for selling their products online. The architecture was built on IBM WebSphere and WebSphere Commerce Suite. My role was in the integration of WebSphere

Commerce with their AS/400-based tax and shipping system, using Java and XML. Special considerations included serving as a technical point-of-contact between our subcontractor team and the resources of the general contractor and other firms working on the overall project.

- Palarco Consulting: Taught internal training classes to RPG developers (IBM midrange language) who were migrating to Java development. In addition, taught a class on project methodology basics (based loosely on the Rational Unified Process) as the firm explored a new direction with its in-house development methodology.

Consultant ('99-'00) / Senior Consultant ('00-01)

12/99 to 7/01

Context Integration, Atlanta, GA

- Worked on an overall team of over two-dozen developers on an 18-month engagement with Georgia Pacific, constructing a B2B commerce application for selling the Unisource division's products to their corporate customers. The web front-end was built using BroadVision One-to-One Commerce with an Oracle database, integrated with 11 billing and inventory systems (AS/400's and HP-9000's) nationwide via IBM MQSeries.
- Worked hands-on with the client in early requirements gathering and estimation, designing architecture components in UML with Rational Rose in a methodology patterned after the Rational Unified Process.
- Main role in development was in a three-person team writing the multithreaded MQSeries interface with C++ and CORBA, to connect the application server with legacy inventory systems. Performance optimization was assisted by tools such as Rational Purify, and automated testing scripts were written using Mercury's WinRunner product.
- Was the youngest consultant in the company to be promoted to Senior Consultant level, and served as the team lead for this integration system in the final phase of iterative development. At the conclusion of this project, wrote a white paper about a design pattern I developed which was recognized by the CTO of BroadVision and included in their company technical knowledgebase.

Web Developer

9/97 - 12/99

Georgia Southwestern State University, Americus, GA

- Worked under three overlapping contracts during this time period. For the Division of Continuing Education... established an initial web presence including Microsoft IIS setup, site design, and initial content development (JSP and static HTML). For the Division of Athletics... established Internet presence for both the Division and its parent Georgia-Alabama-Carolina Conference, maintaining both sites with automated game scores (Java servlet-based) and statistics, news, and photography/graphics. For the University proper... served as the lead developer on a committee of staff and administrators to re-design the front-end for the University's primary web site and create standard templates for departmental use.

System Administrator

8/94 to 12/99

South Georgia Internet, Americus, GA

- Established the initial hardware and software setup for a small regional Internet service provider. Daily tasks included maintenance of the Linux-based servers, automation of administration tasks using Perl scripting, technical support for end-users, and training of the other technical resources.

EDUCATION

Georgia State University College of Law (evening section), Atlanta, GA

8/07 to 6/10

J.D.

Georgia Southwestern State University, Americus, GA

8/93 to 12/99

B.S. in Computer Science (minor in Business Management)

- PUBLICATIONS**
- *In the Aftermath of Bilski v. Kappos*, (cite pending). An overview of the current state of business method and software patents, presented at the 2010 Practising Law Institute's Patent Litigation Seminar.
 - *In the Aftermath of In re Bilski*, 983 PLI/Pat 37. An overview of method and software patents while the Bilski appeal was pending. Presented at the 2009 Practising Law Institute's Patent Litigation Seminar.
 - Material contributor to AwakenIP's amicus curiae brief in the *In re Bilski* appeal before the U.S. Supreme Court. 2009 WL 2445769, <http://www.awakenip.com/?p=254>
 - Contracted by SkillDrill.com in Feb. 2000 to develop a Tcl/Tk scripting language exam used by IT organizations for candidate screening, internal training/certification, etc.