John Ryan Bard

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PURPOSE

To obtain a software developer position and grow in an interesting language or domain.

Interests:

- C	- Java	- Objective-C
- C++	- JavaScript	- Ruby
- Go	- Python	- Lisp

WORK EXPERIENCE

May 12th 2014 - present
Georgia Tech Research Institute
Research Scientist

Designed and developed front-end and back-end software for webapps mimicking google's services (mail, drive, etc.) but focussing on security.

Achievements:

- Met aggressive deadlines on a very late project
- Created the first unit tests for that project
- Researched and implemented significant parts of an SMTP & IMAP server for a proof of concept in under a month

Technologies:

- Javascript	- SELinux	- PL/SQL
- AngularJS 1.2-1.5	- TypeSafe Config	- git
- Angular Material	- Guava	- NodeJS
- UI Bootstap	- Guice	- SMTP
- LESS (CSS)	- Jackson	- IMAP
- RequireJS	- JAX-RS (Jersey)	- WireShark
- Java 1.7	- Spring Web MVC	- iptables
- JEE	- REST	- bash
- Junit	- JSON	- curl
- TestNG	- slf4j	- telnet

- Groovy	- Tuckey UrlRewriteFilter	- netcat
- Spock	- JasmineJS	- Jmeter
- Gradle	- Metrics (Dropwizard)	- IntelliJ
- Gulp	- AMQP (Apache Qpid)	- Sublime Text
- Maven	- SQL (Oracle)	- RHEL

Soft Skills:

- JIRA	- Stash/BitBucket	- Confluence
- Jenkins	- Bamboo	

February 4th 2013 - May 9th 2014
Ericsson
Senior Software Engineer

Developed back-end software that supports many aspects of Video On Demand. This included rentals, bookmarks, setup and teardown of HTTP / RTSP / DSMCC sessions, generating URLs for CDNs, applying concurrency restrictions, authenticating requests, saving statistics, and issuing alerts.

Achievements:

- Created scripts and wiki pages for consistent dev deployment steps
- Created the first automated smoke/integration tests
- Helped build tools for QA to leverage when writing automated tests (sdk wrapper for auth testing, tweaked the RTSP Jmeter plugin, created a CDN simulator, created a DSMCC Jmeter plugin)
- Fixed the CI configuration (adjusted when nightly builds ran, turned on unit test running)
- Cleaned up code in various modules

Technologies:

- Erlang R15 & R16	- JSON	- Mongoid 2
- Rebar	- NoSQL (MongoDB)	- git
- MochiWeb	- AMQP (RabbitMQ)	- bash
- Cowboy	- Ruby 1.9	- yum
- WebMachine	- Ruby on Rails 3.2	- Jenkins
- Meck	- RVM	- curl
- Emongo	- Bundler	- Jmeter
- REST	- Rake	- Java 1.7
- RTSP	- Rspec	- Sublime Text
- DSMCC	- Decent Exposure	- Eclipse

Soft Skills:

| - Gitorious | - GitHub | - VersionOne |

September 4ᵗʰ 2012 - January 18ᵗʰ 2013
Altisource
Senior Software Engineer

Developed software involved in migrating backlog data and synchronizing live updates of that data from a legacy database to the new products' MySQL database.

Achievements:

- Added the first true unit tests
- Cleaned up integration tests
- Optimized and cleaned up the build
- Prepared the project for CI (Bamboo)
- Corrected anti-patterns throughout the project (and a few bugs)
- Cleaned up tons of compiler warnings
- Changed the process of developers running locally (and running integration tests) against a shared database to everyone running against their own local instance of MySQL

Technologies:

- Java 1.7	- Groovy	- rpm
- Mockito	- JSON	- Chef
- Mybatis	- Maven 3	- AMQP (RabbitMQ)
- Spring Integration	- SQL (MySQL)	- Metrics (Yammer)
- Spring REST Client	- git	- Eclipse

Soft Skills:

| - Bamboo | - Fisheye | - Confluence |
| - JIRA | | |

February 12ᵗʰ 2008 - August 31ˢᵗ 2012
MModal (formerly *MedQuist*)
Software Architect

Architected, designed, and developed software for medical transcription services. Used various technologies including EJB, Hibernate, Spring, etc.

Achievements:

- Set up Splunk to index logs and email alerts for errors in dev, QA, and PT
- Refactored many pieces of legacy JDBC and stored procedure code to use Spring JdbcTemplate and JPA Entities
- Ported over a series of DB scripts to create a schema from scratch from 1 project to another so I could have a repeatable fresh environment separate from our shared dev environment (there was only the shared dev environment to test on for this project)
- With Talend Open Studio, I took a month to rewrite an archive and purge solution that took one of our DBAs a year to develop in PL/SQL (and didn't solve all of the requirements)

Technologies:

- Java 1.5 & 1.6
- Maven 2
- JMS
- Apache Struts1
- PMD
- JBoss 4.0.5, 4.2, 4.3, & 5.1
- Tiles
- Cobertura
- JMX MBeans
- Javascript
- JUnit 3 & 4
- PL/SQL
- JPA (Hibernate)
- EasyMock
- SQL (Oracle)

- JDBC
- Selenium
- Talend Open Studio
- slf4j
- Logging (JDK Logger)
- SoapUI
- JProfiler
- Jaxb
- AspectJ
- Oracle Coherence (as a 2nd level cache for Hibernate)
- Groovy
- Velocity Templates
- EJB2 (Stateless Session)
- sed/awk

- Bash Scripting
- EJB3 (JTA, Stateless Session, MDBs, Interceptors)
- Splunk 3 & 4
- Batch Scripting
- J2EE (JSP, Custom Taglibs, Servlets)
- XML (DOM, XSLT, Xpath, Xquery)
- OSB (Oracle Service Bus - Oracle's ESB)
- Python/IronPython/Jython
- Spring Framework (core, tx, ws, jdbc, webmvc)
- C# (consumed our webservices by writing test apps in C#)
- Eclipse

August 1st 2007 - February 11th 2008
Guru Software Services
Software Engineer – Lead Developer

I was the Lead Developer in the U.S. I interfaced with customers and managed an outsource team in India. I primarily developed in J2EE technologies with Eclipse. I used Spring Framework for dependency injection, Apache Commons for logging, and Hibernate for Object-Relational Mapping. I created and maintained webapps with JSP that were tested in Apache Tomcat and wrote the Ant build files for deployment (in both Windows and Linux environment). I also researched the control of scanners with JTwain and the re-writing of a TWAIN wrapper for Java.

Responsibilities:

- Gather requirements from customer and fine tuned these requirements in daily/weekly meetings
- Design interfaces and create associated documentation (screen shots & storyboards)
- Oversee the functionality & development of the user interface
- Design the implementation and create the design documents (UML)
- Estimate the initial time bids for projects
- Communicate the requirements to the outsource team in India

- Code review (and intervene when problems arise)
- Q/A test in both Windows and Linux environments
- Customer acceptance test and make any modifications to the project

Technologies:

- Java 1.4	- Spring Framework	- Apache Tomcat
- J2EE	- Apache Ant	- HTML
- Commons Logging (log4j)	- JNI	- CSS
- Jtwain/TWAIN	- Hibernate	- JSP

May 21st 2007 - July 31st 2007
Guru Software Services **(via Georgia Tech)**
Software Engineer – Team Lead

  I was the Team Lead in the development of the Rates Management Module of the Logi-soft software. We created a JSP webapp for managing shipping rates and calculating estimates for trucking costs. We used Hibernate for ORM and tested in Tomcat. In addition to developing the JSP pages and Hibernate code, I personally setup and managed a CVS repository as well as wrote the Ant build file and handled the deployment and delivery of the module to Guru Software Services.

Technologies:

- Java 1.4	- Hibernate	- CSS
- J2EE	- Apache Tomcat	- JSP
- Apache Ant	- HTML	

HOBBIES

  Almost all of my hobbies are centered around computers and technology. If the Zombie Apocalypse ever comes, I'm in trouble.

- JavaScript	- Clojure	- ANTLR
- KnockoutJS	- YAWS	- Lex & Yacc
- NodeJS (Express, Mongoose)	- C	- Debian
- Python	- C++	- FreeBSD
- Groovy	- Qt	- Lua
- Grails	- GTK+	- WebRTC
- Raspberry Pi	- Arduino	- HTML5 (Canvas, LocalStorage,
- Perl	- Objective-C	WebSocket, WebWorker)
- Ruby	- Smalltalk	- Elixir
- Rails	- MongoDB	- Homebrewing (beer, mead, cider)

EDUCATION

B.S. in Computer Science
Georgia Institute of Technology
Graduated: December 2007
GPA: 3.05
Major GPA: 3.44

REFERENCES

Available upon request