

# Christopher J. Noyes

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**Objective:** To work in a Leadership role in Software Development.

**Background:** Extensive use of object oriented programming languages including Java, PHP, C, C++, Python, SQL and Others

**Development Methodologies:** Agile approaches, Scrum, XP.

**Operating Systems:** Windows, Linux, OS X, and others.

**Languages:** Java, Python, PHP, JavaScript, C++, C, Scala.

**Version Control:** Subversion, Git.

**Defect Management Software:** Jira, Bugzilla.

**Development Environments:** Eclipse, MyEclipse, IntelliJ.

**J2EE products:** Tomcat, Weblogic, Jboss

**Hadoop Technologies:** Impala, Hive, MapReduce, Streaming, Pig, Hive, Spark, Sqoop, Oozie

**Messaging Implementations:** Kestrel, Active MQ.

**Web Servers:** Nginx, Apache.

**PHP Products/Tools:** Zend Framework, Pear, Pecl, Openx.

**Databases:** Mysql, MongoDB, MS SQLServer, Hive, Impala.

**Database Technologies:** SQL, JDBC, Hibernate.

**Database Tools:** Mysql Workspace, Toad.

## Professional Experience

*November 2007-Present*

### Director Advertising Technology, Crisp Media, New York

Crisp Media is an advertising technology company providing rich media advertising to publishers and advertisers, including campaigns running on major websites. They originally developed mobile sites for major media companies. Originally hired as Senior Developer, then promoted to lead developer then lead developer of all platform and product initiatives, and most recently promoted to director of advertising technology. Responsible for backend technologies. Roles also include dev-ops, backup system administrator, data scientist.

- ❑ Spearhead research and development with big data technology managing, a small new internal Hadoop cluster using Cloudera Express, building an ETL, log ingestion system, storage into Impala/hive Parquet tables mirroring request patterns
- ❑ Investigative work researching using Spark for data analysis initially with Pyspark, then using Scala due to limitations in Pyspark implementation.
- ❑ Served as administrator for Cloudera cluster.
- ❑ Led R&D efforts investigating using Cassandra for user profile system, including building bulk loading tools and schema as well as building alternative implementation using Amazon's DynamoDb.
- ❑ Data science work investigating data, in attempts to extract more information from requests.
- ❑ Gathered Information for future big data efforts, speaking to vendors.
- ❑ Built services for location targeting, proximity search and integrating social media into advertising using OAuth for Twitter, Facebook, LinkedIn, and Instagram.
- ❑ Architected and developed Device Reporting, based on log analysis using Hadoop Streaming and Pig and DeviceAtlas to identify mobile devices viewing ads for reporting
- ❑ Researched and led work toward finding a third party enterprise reporting system. Contacting vendors

and initiating initial information gathering and participating in higher level discussions with management and vendors, working with consultant. Spearheaded building reports using Actuate's Birtondemand.com.

- ❑ Architected advertising delivery system with REST-like services using Spring MVC, for ads in Html, Json formats for mobile devices backed by Openx Adserver, supporting enhanced capping, third party cookies, javascript, and php clients, with enhanced support for mobile devices such as iPhone Android.
- ❑ Built large REST based middle tier service using Zend Framework, providing services to javascript front end system written in XJS.
- ❑ Architected content management system strategy based on Joomla to integrate into other parts of our system.
- ❑ Built Zend Framework application to capture exposure time tracking supporting built with MongoDB as a temporary store which in a store and forward model. Experimented with memory database stores, Redis and determined MongoDB as Best performing.
- ❑ System administrator for non-production and non-QA environments, converted servers to php 5.3, php-fpm and Nginx to be consistent with production move. Included work managing development build, testing, frameworks, and deployment. Consult with QA and production regarding their deployment.
- ❑ Support Release Engineering, installations, upgrades and system troubleshooting, in-house Java, MySQL, PHP and apache http technologies expert.
- ❑ Build Build Deployment technology for Dev and QA enhancing use of our Jenkins continuous integration system.
- ❑ Assisted management to secure \$5M financing from Intel.
- ❑ Attended Strata/Hadoop World New York, 2014.

#### **Tools/Languages/Platforms:**

Java (1.6, 17), Tomcat (6.0), Apache 2.2, MyEclipse, Spring Framework, Subversion, Ant, Maven, CentOS, Mysql, MongoDB, JUnit, Lucene, EHCACHE, JBoss Cache, PHP 5, PEAR, XMLRPC, Mysql 5.5, CentOS, Apache Active MQ, Mobile Software Technologies, Hibernate, Hessian and RESTeasy, SQL Server 2005, Cloudera, Hadoop, Impala, Hive, python.

#### **July 2007-October 2007**

##### **Senior Engineer, Zingy, New York, NY**

Zingy (40 employees) provided personalization services and content and is a content aggregator. Job ended due to group being shut down by the investor, and reorganized as Vindigo.

- ❑ Developed and Supported revenue generating Java Third Party Feed Application to extract from MySQL, structure and package content for a wireless content portal partners.
- ❑ Developed, supported and extended, mass packaging application that generated third party content feed application written in Python that were used for important revenue generating efforts with partner systems.

#### **July 2005-July 2007**

##### **Senior Staff Engineer, IBM, Palisades Technology Partners, Englewood Cliffs, NJ.**

PTP (45 employees) Developed mortgage origination and processing systems in the mortgage vertical for major mortgage banks. Developed Code for clients including Washington Mutual, CitiMortgage and Citibank Private Banking Group. IBM acquired PTP to leverage their entry into banking services.

- ❑ Maintained, improved and repaired MyEclipse/Weblogic 8.1 based J2ee based mortgage origination for a Major banks private banking system, adding new functionality using Jsp, Jdbc, JavaScript, html, Hibernate, Struts and Oracle 9 (9.2).
- ❑ Implemented a new XML based messaging interfaces for Citi Private Banking Group, connecting to the larger Citibank system implemented using MQ queues, EJB and MDBs in Weblogic lending system.
- ❑ Worked on Implementing Retail oriented features in a J2ee Mortgage origination system as part of a multi-year project for Washington Mutual using RAD/WebSphere 6, including adding functions,

- screens, action classes, database classes and business logic, security, and implementing QuickRules.
- ❑ Worked on enhancements to mortgage insurance integrating with a web service interface into Delphi Application.
- ❑ Developed code to integrate new web services for PMI and FICO scores into the Delphi application.
- ❑ Worked on registration, documents, pricing, purchasing, APR, and FICO scores, compliance, though most projects centered on improvements on loan registration.

### **Recent Personal Projects**

- ❑ Developed several complex Android applications.
- ❑ Projects analyzing twitter data from presidential elections using Hadoop and scala
- ❑ Website development using html, dhtml, CSS and PHP, Linux and Apache.
- ❑ Built ebooks, in epub and kindle format.

### **Education**

**Hunter College City University of New York**, New York, New York. Bachelor of Arts, January 1999

- ❑ Graduated Summa cum Laude, Honors Sociology Dept., Dean's List, GPA 3.97
- ❑ Phi Beta Kapa Honor Society, Golden Key National Honor Society.