

Professional Experience

Wize Commerce Ltd. // nextag.com // Software Engineer // May'11 - Jul'13

- Developed core Product Catalog technology stack for high-volume (~140 mill Products/12 hours) & high-availability (24x7) tasks to import products/models/entities from partners like Rakuten.jp, Ebay.com etc. [Hbase/Spring Batch]
- Developed the architecture for the Product Catalog to integrate, classify product & merchant data in high-revenue product categories into meta-data and exposing them as services through APIs [Hibernate/Java/SQL/Lucene]
- Developed high-revenue features on the Search Page & Product Page of Nextag.com using these APIs [JSP/Java/JS]
- Optimized the response-time of the high-revenue Search Page of Nextag.com using Bloom Filters to optimize MySQL lookups by 100-200 ms, JavaScript & CSS performance on page-load by 200-350ms, increasing sales [Java/JS/SQL]
- Developed internal tools for analysts to increase product catalog quality [Spring MVC/Java/SQL]
- Independent technical migration & configuration the main WebApp Nextag.com to Nextag.nl (Netherlands)

Samsung India Software Operations // Software Engineer // Jul'09 – May'11

- Developed automatic Data-Network [LTE/GSM/CDMA] selection in LTE stack in Android Eclairs/Froyo Telephony Framework for the first LTE phone in America by Verizon, 'Stealth V'. [Android Framework/Java/C++]
- Evaluated IPv6 & Dual-Stack (tunnelling) in Android Eclairs for mainstream IPv6 Access Points in telephony networks published as an internal WhitePaper. [Android Framework/C]
- Pilot Project: Developed Tap-to-Focus feature for the Android Cupcake Camera App for all shooting modes (burst/panorama/macro), implemented support on all modules of Android Framework, from hardware interface to the camera app. [Android Framework/Java/JNI/C++]

SmartFocus Inc. // Software Engineer Intern // May'14 – Dec'14

- Responsible for developing new functionality and upgrading features of the web search portal. Designed and developed features across all layers of the technology stack [jQuery/JSP/Spring MVC/Hibernate/MySQL]
- Established the architecture for application domain data to be exposed through RESTful services to be independently called by all sub-systems within the firm's various subsystems [Spring REST/Hibernate/MySQL]
- Profiling Apache Solr for speed and reliability with high volume and volatile data [Apache Solr/JUnit/Python]

Education

MS in Computer Science // University at Buffalo, SUNY // 3.75/4.0 // 2013-2015

- Information Retrieval*
- Topic Modelling on Twitter #trends 🐙 github.com/ravioactive/trendcom [Python/Gensim/MongoDB]
 - Location-aware News Search 🐙 github.com/ravioactive/locnews [Apache Solr/Java/Spring]
 - Indexer System on Wikipedia articles 🐙 github.com/ravioactive/wikiindexer [Java]
- Machine Learning*
- Search Parameter Tuning on Microsoft LETOR 🐙 github.com/ravioactive/letor [Matlab]
 - Hand-written digits Recognition 🐙 github.com/ravioactive/digitrecog [Matlab]
- Data Intensive Comp.*
- Exploratory Data Analysis of Earthquakes in 2013 🐙 github.com/ravioactive/quakeeda [R]
 - Twitter Analysis & User Clustering 🐙 github.com/ravioactive/twittermapped [MapReduce/Hadoop]

B.Tech in Computer Science // National Institute of Technology (NIT), Rourkela, India // 7.13/10.0 // 2005-2009

- Major Project in Removal of Additive Gaussian Noise in Images through Image Processing Techniques [Matlab]

Skills

- Platforms** ○ Java, Python, C/C++, JavaScript, SQL, JSP, R, MongoDB, jQuery, Spring, Apache Solr, Tomcat, Struts
- Tools** ○ Git, SVN, JIRA, Jenkins, Google PageSpeed, Chrome SpeedTracer, SQL Developer, Junit, JMockIt/TestNG
- Design** ○ Scalable, High-performance, Multi-Threaded Systems, Test Driven Development, Agile Development