

FULL STACK DEVELOPER — BIG DATA ENGINEER

- Skilled software developer with extensive experience in building cutting-edge computer applications, web solutions, and data services. Having excellent knowledge of software engineering, big data solution, web application and native mobile application development. Highly flexible, able to design and program systems in line with business needs. Proven ability to collaborate with team members on project delivery, including programming, testing, and deployment. Solid understanding of mathematical principles, and capable of performing statistical analysis. Comfortable in both traditional and agile development environments.

Work Experience

- **AT&T Services** Middletown, NJ
Principal Member of alTechnicl Staff *Aug 2015 - Now*
 - Analyzed and queried active network device log data using Hive, Pig and MapReduce in Hadoop with Java and python.
 - * Built and maintained scalable data pipelines using the HBase.
 - * Handled the data exchange between HDFS and different web applications and databases using Flume and Sqoop.
 - * Developed Java MapReduce programs to analyze huge log files generated by diagnostic collector tools.
 - * Developed Pig Latin scripts for the analysis of semi structured data produced by network devices.
 - Installed, configured and managed Apache Hadoop on the AT&T cloud servers.
 - * Handled installation and configuration of Hadoop multi node clusters.
 - * Setup automated processes to analyze the System and Hadoop log files for predefined errors and send alerts in case of error.
 - Managed hierarchical data-sets with extremely large amounts of data
 - * Developed python scripts to parse huge CSV, JSON and XML documents and load the data in Oracle 11g database and HDFS.
 - * Using wxPython, numPY and matPlotLib to analyze and do statistics calculation.
 - Developed web based enterprise applications using Java Enterprise Edition J2EE technology.
 - * Developed the back-end software using Core Java, Servlets, JDBC, JMS, Spring, Hibernate and Java Beans.
 - * Developed responsive front-end software using HTML, JSP, jQuery, JSTL and Bootstrap.
 - * Used Maven for dependency management and application building.
 - * Usied Atlasian and Git to manage the source code and used Jenkins for continuous integration.
 - * Utilized Apache, Tomcat and Jetty java containers to deploy the web applications.

Technologies: AJAX, Apache Hadoop, Bootstrap, Git, HBase, Hibernate, Hive, HTML, J2EE, Java, JavaScript, Jenkins, Jetty, JQuery, JSON, JSTL, MapReduce, maven, Oracle 11g, Pig, Python, Spring, Tomcat, XML.

• **Computer Consultants International, Inc - AT&T Services**

Middletown, NJ

Senior Software Developer

Sep 2014 - Aug 2015

- Developed native iOS applications for u-verse field technicians
 - * Developed complete life-cycle of Apple Watch wearable application.
 - * Developed new features for the existing iOS iPad application.
 - * Worked closely with the quality assurance, design and back-end development team to add new features.
 - * Developed iOS application with Objective-C and Swift in UIKit, Foundation, UI Image Picker, UI Date Picker.
 - * Used AFNetworking framework to connect RESTful API services and maintain in-background downloads, uploads, chat conversations, and messages from system.
 - * Implemented MVC, Delegation, Notifications, KVC, and design patterns.
- Developed native Android application for Digital Life department
 - * Developed the user interface using Java, JSP and JavaScript and the business services using the Servlets and Java.
 - * Developed and modified Servlets to accept and process request from the remote clients.
 - * Developed various objects using java and HTML and DHTML to maintain well-structured GUI and to interact with Controllers to get data from Oracle 11g database.
 - * Worked on web service calls, XML and JSON parsing.
 - * Unit Testing and Regression Testing of web applications.
- Enhanced and maintained u-comm Java backend web application and iOS iPad application
 - * Developed a proof of concept called U-manage, an iPhone application written in Swift using Xcode 6.
 - * Improved U-comm iPad application iOS 8 compatibility in Objective-C.
 - * Created custom checklist and sharing them with selected app users by calling web service through JSON libraries and connecting to local SQLite database with the objective-C interfaces.
 - * Worked on git repositories to checkout and update the code changes.

Technologies: AFNetworking, Agile, AV Foundation, Android, Cocoa framework, Cocoapods, Cocoa Touch, Core Location, CSS, HTML5, iOS, Java, JavaScript, JIRA, JQuery, Mac OS X, MapKit, Objective-C, REST, Swift, Xcode.

• **GFT USA Inc, Deutsche Bank USA**

Jersey City, NJ

Java Developer

Jul 2014 - Sep 2014

- Developed Deutsche Bank Autobahn electronic platform search application's user interface
 - * Developed user interface using GWT for reusable widgets, table and grids and other complex ui component.
 - * Responsible for deploying the application using on different environment using Teamcity.
 - * Implemented client side GWT Paging solution that could be reused in other web applications.
 - * Implemented Model View Controller (MVC) architecture using Struts framework at the web tier level to isolate each layer of the application to avoid the complexity of integration and enhance ease of maintenance.
 - * Debugged Autobahn search API database transactions.

Technologies: Eclipse, GWT, GXT, HTML, J2EE, Java, Javascript, JQuery, JSP, MVC, Netbeans, Oracle 11g, Servlets, Struts, Teamcity, Tomcat.

- **SUNY Research Foundation**

Albany, NY

Java Developer - part time

Oct 2012 - May 2014

- Full life cycle development of a responsive mobile application for all platforms
 - * Architected, implemented and tested the back-end using UML, Java, J2EE, MySQL and JUnit.
 - * Designed a responsive user interface for mobile and tablet front-end using JSP, iWebkit and Bootstrap.
 - * Built the database structure and monitored and improved its performance.
 - * Maintained and supported the application throughout its functional life.

- **Novin Solution**

Tehran

Software Developer

Jan 2009 - July 2012

- Full life cycle development if a business to business web portal
 - * Developed a multi-thread automated web crawler/extractor, gathering companies information from internet into the local databse in Java.
 - * Created news, photo gallery, news letter, branches portable plugins for the b2b web portal.
- Content Management System
 - * Designed and developed a content management system completely customizable by end user in php and MySQL.
 - * Developed news web portal backend in python with django framework.
 - * Developed news web site frontend in php using pear framework.
 - * Designed the database schema and maintained the database server.
 - * Maintained virtual private server; Linux web and mail server.

Computer Skills

- Programming Languages: C++, FoxPro, Java, Javascript, HTML, Objective-C, PHP, Python, Swift
- Big Data: Cassandra, Flume, Hadoop, HBase, Hive, MapReduce, Spark, Sqoop, ZooKeeper
- Web Frameworks: AngularJS, Bootstrap, Codeigniter, Django, GWT, GXT, jQuery, Laravel, NodeJS, Spring, Struts
- Cloud: AWS, EC2, S3, EMR, RDS
- Databases: MongoDB, MySQL, Oracle, PostgreSQL, Redis, SQL Server, SQLite
- Operating Systems: Linux, OS X, Windows NT
- Technologies: AJAX, Agile, Ambari, Android, CloudFlare, CSS, Git, Github, Eclipse, HDFS, Hibernate, J2EE, Jenkins, JBoss, Jira, JMS, JSF, JSON, JSP, LAMP, LaTeX, MapReduce, Matlab, Maven, MVC, NetBeans, NoSQL, OOP, Parse, REST, Scrum, SOAP, Stash, Sublime, SVN TeamCity, UML, Xcode, XML

Education

- **State University of New York at Albany, NY** Aug 2012 - May 2014
MSc, Computer Science
 - Project: Hadoop application for analyzing huge web server access logs using MapReduce (Java)
- **Amirkabir University of Technology - Tehran** Jan 2007 - May 2009
MSc, Information Technology Engineering
 - Thesis: An incentive mechanism for live video streaming over peer to peer networks (Java)
- **Shahid Beheshti University - Tehran** Aug 2002 - Dec 2007
BSc, Computer Science
 - Project: Digital image processing application for optical mark reading device (Java)

Other Projects

- Developed a big data processing application with Hadoop MapReduce on a multi-node cluster platform, analyzing web server logs, Apr 2014.
- Created Hadoop Cluster with Ambari utilizing Flume, Hadoop, HBase, Hive, MapReduce, Spark, Sqoop and ZooKeeper on Amazon EC2 servers, Jan 2014.
- Designed and developed and tested "UAlbany Market", ajax based online store, using J2EE in back-end, JSP in front-end and MySQL for the database, deployed on Amazon EC2 and S3 for storage, Dec 2013.
- Developed a big data processing application with Hadoop on a multi-node cluster platform, analyzing Twitter tweets, Dec 2013.
- Designed and developed "Blogbany", a social network website for UAlbany Students, back-end done in PHP and front-end with Bootstarp, May 2013.
- Improved SimpleDB, a low level open source Database Management System in Java, Dec 2012.
- Developed IranVachar.com iOS application with Objective-C, Jan 2012.
- Implemented an online Decision Support System based on a unique fuzzy logic using php. The web application provides hiring managers with useful information about the candidates and guides them through hiring process, Dec 2009.
- Designed and developed a notifier widget for iOS device lock-screen, showing number of new mails, texts and calls, Oct 2008.
- Developed first Persian and Hebrew calendar for iOS device lock-screen using javascript, Aug 2008.