

MARTIN TURLEJ

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PROFILE: Software engineer and team lead with background in the full life-cycle of software development process including requirements gathering, design, coding, testing, debugging and maintenance. Expertise is in data engineering, distributed systems and server-side development.

SKILL HIGHLIGHTS

- 10 years of professional experience in Java, Python, Scala, Spark, Hadoop, Kafka, C#, REST, MapReduce, AWS, PHP, MySQL, Spring, Maven, PostgreSQL, Unix, Jenkins, Git, Tomcat, NGINX.
 - Knowledge and experience in Agile methodologies, Software Architecture, Microservices.
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EXPERIENCE

Consulting / App Developer, CollabHub

May 2017 - Present

- Worked with Founder / CTO of Terapeak on consulting projects for Inkfrog (acquired by Wix) and Flytographer.
- Development of Shopify and Wix data integrations into Inkfrog platform in use by 10k+ subs.
- Built VR application CollabHub for virtual remote work using Unity 3D Engine (in C#).
- Released CollabHub on both Steam and Oculus stores and earned 1000s of purchases and wishlists.
- Environment: C#, .Net, Python, Unity 3D, JavaScript, VB.Net, HTML, CSS.

Terapeak (acquired by eBay)

Feb. 2013 – April 2017

Director, Data Integrations (June 2016 – April 2017)

- Led another full time data engineer in building the integration of new data providers into the Terapeak data platform that served over 10k paid and over 500k total eCommerce merchants.
- Designed and implemented data processing jobs and ETL to use Spark and Kafka technology stack with a distributed systems model to increase throughput and scalability over 10x greater than previous pipeline.
- Team successfully released Walmart and Shopify data retrievers that polled, parsed and stored data fetched from partner APIs as part of a data pipeline and used in the platform's analytics dashboard.
- Environment: Java, Scala, Spark, Kafka, Elastic, HDFS, PostgreSQL, DynamoDB, AWS, Python, Perl, Jenkins, JIRA, Git.

Data Ops Lead (March 2015 – June 2016)

- Led a team responsible for consistent operations of data processing and data acquisition ETL jobs.

- Development of data acquisition job in move from Perl to Python, utilizing more efficient multiprocessing with 10x greater speed improvement.
- Environment: Python, Java, Spark, Perl, Bash, HDFS, PostgreSQL, AWS, Jenkins, JIRA, Git.

Senior Data Engineer (Feb. 2013 – March 2015)

- Design and implementation of ingestion and aggregation ETL jobs in Spark and MapReduce to efficiently process billions of rows of raw data daily and load to Elastic for search.
- Building of tools to easily operate and deploy data stores and ETL jobs to 10+ node cluster in AWS.
- Environment: Java, MapReduce, Spark, Python, Elastic, Perl, Bash, HDFS, PostgreSQL, AWS, Git.

Software Developer / Consulting

Feb. 2011 – Jan. 2013

- Consulting services for companies in Toronto, including Nvision Solutions and Jackson Marketing.
- Full design and coding of backend and frontend for a social media news aggregation platform. Article grouping and clustering was built with use of machine learning library Mahout.
- Environment: Java, Hadoop, HDFS, MapReduce, Solr, PHP, MySQL, JavaScript, jQuery, Backbone, Thrift, Mahout.

Software Developer, Syncapse Corp.

Sept. 2009 – Feb. 2011

- Development of measurement/analytics backend for the Syncapse Platform (raised \$25M series A).
- Implementation of key performance indicators which aggregated vital metrics through data mined from social media web services.
- Environment: Java, Spring, Struts, Lucene, PostgreSQL, Jive SBS, PHP, MySQL, CakePHP, JavaScript, jQuery, CSS, HTML, OSX.

Web Developer, Adaptive Technology Resource Center (U of T)

Sept. 2007 – April 2008

- Added new features and modules to ATutor Learning Content Management System (LMS) – <http://atutor.github.io>, in use by 1000s of classrooms.
- Environment: PHP, MySQL, JavaScript, HTML.

Software Developer, To Be Seen Promotions Inc., Toronto, Ontario

Oct. 2006 – Aug. 2008

Technologist, Advanced Micro Devices Inc., Markham, Ontario
Summer 2005 & Summer 2006

Summer 2005 &

EDUCATION

University of Toronto, Hon. B. Sc.

Graduated June 2009

Major, Computer Science

Minors, Philosophy & Economics History

Courses included: Systems Programming and Software Tools, Data Structures and Analysis, Programming Languages, Complexity and Computability, Human-Computer Interaction