





CHRIS LATKO

SOFTWARE ARCHITECT

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EXPERIENCE

07/2019 – Present

ARCHITECT

www.globality.com

- Built dozens of proofs of concept to inform technological direction.
- Wrote many technical designs for teams here and abroad to implement.
- Instrumented platform with Prometheus to facilitate data driven decisions.
- Created load testing tools and processes to collect objective metrics.

06/2017 – 07/2019

PLATFORM ARCHITECT

www.ban.jo

- Moved to Protocol buffers / gRPC and built CI/CD tools for four languages.
- Architected next generation JVM-based streaming framework.
- Created declarative tools for signal ingestion, indexing, and search.
- Added global spatial filters to severely cut down signal noise.

05/2016 - 05/2017

PRINCIPAL ENGINEER

www.paxata.com

- Scaled development processes with compiler caches and granular incremental builds.
- Modularized SDK codebase, moving all repositories into a monolithic repository.
- Automated dependency reporting on vulnerabilities and licensing constraints.
- Created guidelines for development processes to scale more efficiently.

01/2014 - 05/2016

VICE PRESIDENT, ENGINEERING

www.boxfish.com

- Back-end Java development for content discovery and advertising APIs.
- Led several big data projects using Spring XD, Cassandra, Apache Spark, and Scalatra.
- Architected microservice infrastructure using Spring, Consul, Feign, Docker, and others.
- Integrated acquired company's search technologies in Ireland.

03/2013 - 12/2013

SENIOR ENGINEER

Disney Interactive

- Scaled platforms for name brand properties with several million DAUs.
- Simplified a/b testing, content updates, and migration to new data layer.
- Lead front-end engineering on a cross promotional tool for a trending Disney property.
- Created meta-CMS to allow non-engineers to build their own CMS.

03/2012 - 02/2013

SENIOR ENGINEER

Lockerz, Inc.

- Developed RESTful APIs for various front-end interfaces (web, mobile, iOS).
- Built solutions to scale to thousands of concurrent calls with 45 million MAUs.
- Reduced latency by adopting Thrift and moving to a GraphQL-like API.

04/2011 – 03/2012

SOFTWARE ENGINEER

SAIC

- Java/JavaScript development with GWT/GXT for top secret, mission-critical systems.
- GIS/AGX work with ESRI, Open Street Maps, and Google Earth.
- Developed software adhering to requirements of CMMI Level 5 certification.

09/2009 to 04/2011

CONSULTANT

- Technical lead on United Nations AIDSSpace project.
- GIS programming for Ball State University, Miller College of Business.
- Worked with duTreil, Lundin, and Rackley to map TVWS for the FTC.

EXPERIENCE (CONTINUED)

10/2006 – 07/2009

CO-FOUNDER; CTO

PropertyMaps, Inc.

- Developed front-end and back-end infrastructures.
- Designed declarative framework to parse, store, and warehouse MLS data.
- Created SCM tools, bug tracking software, build systems, and QA policies.

10/2001 - 09/2006

CHIEF TECHNOLOGY OFFICER

Ashley Associates, Ltd.

- Oversaw team of 20+ engineers across several continents and dozens of projects.
- Built industry-leading CMS and managed crucial infrastructure projects.
- Laid groundwork for scaling operations and oversaw technical direction.

EXPERTISE

LANGUAGES

JVM: Java, Scala, Kotlin, Clojure
Static: C#, Go, TypeScript
Dynamic: PHP, Ruby, Python, JavaScript, Bash

DATA

SQL: MySQL (MariaDB/Percona), PostgreSQL, Cassandra, Oracle
NoSQL: MongoDB, Redis, Cassandra, Hadoop
Other: Vespa, Elasticsearch, Solr

INFRASTRUCTURE

Virtualization: Kubernetes (Helm), Docker (Compose), Vagrant
CI/CD: Drone, Jenkins, TeamCity, Artifactory, Nexus
Tooling: Gradle, Maven, Bazel, Pants, SBT

OTHER

Streaming: Kafka, Flink, Spark, RabbitMQ
Security: OAuth 2, OpenID, SSL/TLS PKI
Transport: gRPC/Protobuf, REST, Thrift, GraphQL
Software: Git, Eclipse, IntelliJ

PATENTS

INGESTING STREAMING SIGNALS

USPTO Number: 10,257,058

NORMALIZING INGESTED SIGNALS

Docket Number: 1018-US-NP

EDUCATION

1998 **BACHELOR OF SCIENCE**
Indiana University

Business Economics with international focus. Thesis on impact of corporate restructuring from Zaibatsu to Keiretsu on Japanese economy. Overall GPA: 3.83

1995 **CERTIFICATE**
Tokyo International University

Intensive and immersive Japanese language program. Lived with Japanese host family.