

KIRILL LEBEDEV

PhD



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SKILLS

Backend-Frontend Development

Java and Scala full-stack development including web UI targeting different cloud and on-premises platforms

Mobile development

Android (native, phonegap) and iOS (phonegap)

Agility and development processes

SCRUM, requirements management, scoping and decomposition, requirements translation into system architecture using both functional and object-oriented paradigm

Scalability and the large-scale systems

Deep knowledge of cloud services, MapReduce and Data pipelines (Spark and Google), NoSQL and BigData, actor-based Akka systems, microservices-based distributed architecture

On-time delivery and team code quality

Git and code review, Github and Gerrit flows, Jira development process management, continues integration using Jenkins

Data and Artificial Intelligence

Statistical inference and modeling/classification with experience in Neural networks and Deep Learning as well as data representation

Vision and direction

Ability to provide system and architecture vision that solves actual problems and execute it in development

WHO AM I?

Respected executive technology leader offering on-time delivery of bleeding-edge **cloud technology**

Distributed systems **designer and architect**

Excellent **Java and Scala** full-stack development professional

Creative problem solving provider with **16 years of experience** and sustainable changes orientation

BigData and **Artificial Intelligence** engineer

EXPERTISE

Languages

Java, Scala, JavaScript, CoffeeScript, Less, R, shell scripts

Platforms

Google Cloud platform, JBoss, Typesafe Reactive Platform, Android, Java deployment with Docker

Frameworks

Hibernate, Spring, Spray, Akka, Play, modern JS frameworks, Gin/Guice, Deeplearning4j, Java Topology Suite and many more

Data

NoSQL, MapReduce and data pipelining, Data analysis with R and Spark, SQL. Structured and unstructured data extraction, geospatial data.

Networks/Deployment

HTTP, Routing and NAT, DHCP, Cloud deployment including elastic provisioning and fleet management

EDUCATION

PHD

Irkutsk State Technical University
October 2005 – April 2008

Research topic: Method and instruments of Internet development. The PhD research was focused on complex J2EE web-application development based on i.Portal framework/web application platform.

MASTER DEGREE

Irkutsk State Technical University
September 1999 – June 2004

Degree: Master in Computer Science.

Diploma thesis: Software development for graph-based manufacturing processes modeling

Diploma with distinction. GPA: 5 out of 5

TRAININGS

Data Science Specialization – John Hopkins University, Coursera, 2015

Machine Learning – Coursera, 2013

Functional Programming Principles in Scala – Coursera, 2013

Aptech certified trainer (C, MSSQL, HTML/DreamWeaver, Java and Java for web) – Mumbai, August 2010

Tekama certified software architect – Moscow, February 2007

EXPERIENCE

CHIEF SOFTWARE ENGINEER
ORGANIZER INC

November 2012 – present

IN CHARGE OF THE COMPANY PRODUCT ARCHITECTURE, BACK-END AND FRONT-END DEVELOPMENT USING GOOGLE APPENGINE, GOOGLE WEB-TOOLKIT, GEOSPATIAL DATA PROCESSING AND PRESENTATION, ANDROID AND OTHER GOOGLE TECHNOLOGIES.

WAS A PART OF TEAM WHICH SET THE COMPANY DEVELOPMENT PROCESSES. RESPONSIBLE FOR OUTSOURCE TEAM COMMUNICATIONS.

Developed code and system design using Google AppEngine, NoSQL, MapReduce and BigQuery for all system modules and coordinated rollout.

Designed and developed Phonegap-based iOS version of canvassing application from scratch.

Developed procedures for code management, review and code-base maintenance.

Set up performance and scalability testing procedures (Stress test using JMeter), durability policies (JUnit, CI using Jenkins) and code audit/review practices (Gerrit, Jira).

Trained and mentored junior programmers in programming methodologies and best practices.

Served as a lead in defining and prioritizing technologies used in a company (NoSQL and Google stack advocate).

Lead design and development for Twilio-based mobile phone banking platform.

CTO, CO-FOUNDER
I.POINT LLC

July 2002 – present (as co-founder)

RESPONSIBLE FOR ALL ASPECTS OF THE: TECHNOLOGICAL VISION, CORE PROJECT DESIGNS, PROJECT MANAGEMENT AND SOFTWARE DEVELOPMENT USING J2EE AND GOOGLE STACK, SCALABILITY AND PERFORMANCE AUDIT, OPERATIONAL MANAGEMENT, TECHNICAL AND PLATFORM POLICY, RECRUITING AND HR MANAGEMENT. BUILT AND MANAGED A TEAM OF 10+ DEVELOPERS, MENTORED IN DESIGN/SCALABILITY/TECH PROBLEM RESOLUTION.

PROJECTS

Organizer. www.organizer.com

Organizer is a premier mobile app for political campaigns and advocacy organizations of any size. Organizer is based on Google technologies including Google AppEngine, BigQuery, Google Web Toolkit, Android as mobile OS.

Project role: architect, lead developer.

MoPS (Mobile grid platform for STEM subjects social learning and knowledge measurement). <http://www.mopsproject.org>

MoPS is a distributed desktop/mobile educational platform. It utilizes peer-based questioning and game techniques to increase social knowledge. Software implementation works on Windows and Android. Device communications are P2P-based. Desktop UI is JavaFX-based.

Project role: project leader, architect, model/requirements developer.

i.Logos Distant learning system development

J2EE-based SCORM 2004 compliant distant learning system. i.Logos utilizes JBoss Application Server technology stack as well as i.Portal framework features.

Project role: architect, lead developer.

i.Portal framework/CMS.

This is a software platform that allows to create, manage and support websites content. It is based on modular design that helps to speed up development of dynamic Internet applications. A multisite and multi domain support is a key feature of the platform.

Project role: project leader, architect, lead developer.

ASSOCIATE PROFESSOR (PART-TIME)
IRKUTSK STATE TECHNICAL UNIVERSITY

September 2004 – January 2012

Courses: Software engineering, Operation systems, Probability theory.

Technologies: Java, JSP, Servlets, SQL, XML, XSL, FreeBSD, Windows, Solaris.

DEPUTY VICE-PRESIDENT/HEAD OF INTERNET TECHNOLOGY CENTER
IRKUTSK STATE TECHNICAL UNIVERSITY

August 2006 – April 2011

MANAGED INTERNET
 TECHNOLOGY CENTER OF THE
 UNIVERSITY. WAS IN CHARGE
 OF DISTANCE LEARNING
 SYSTEM DEPLOYMENT AND
 USERS SUPPORT

LEAD UNIVERSITY WEB-SITES
 DEVELOPMENT AND CONTENT
 MANAGEMENT INCLUDING
 INFORMATION POLICIES

CREATED AND MANAGED
 DEDICATED EDUCATIONAL
 CONTENT AUTHORIZING TEAM

WAS RESPONSIBLE FOR
 APTECH EDUCATION CENTER
 ACADEMIC STAFF
 MANAGEMENT (HIRING,
 EDUCATION PLANS,
 MARKETING AND BUDGETING)

PROJECTS

i. Logos Distance Learning System deployment

Distant Learning System was deployed from scratch. More than 15000 students were trained. Security/access policies were developed. Backup/restore procedure were set up and managed. Service-level support agreement and processes were created.

Project role: General management, project team build, technical overview/design, relationship management.

2 University web-site updates

Both projects included a complete website and content redesign. The first migration project also included a platform change from i.Portal CMS to OpenCMS. Managed university departments into updating over 3000 pages

Project role: General management, project team build, technical overview/design, relationship management.

300+ distant learning courses development

The educational content development team was built and trained. All produced courses are SCORM-compliant. Content authoring software was designed and developed. More than \$0.5M budget savings due to internal course development resources used.

Project role: Project management, HR management, internal relationship, budgeting, costs control.

In-house client support process built.

Student and faculty technical/methodical support process was designed and implemented with more than 15000 users. The support team was built and trained from scratch. 24/7 system monitoring was implemented.

Project role: Project management, process definition and audit.