

# Anton Kraievi: Curriculum Vitae

**Aim:** Software Developer or Site Reliability Engineer

## Personal information

- Birth date: 18 Sep 1982
- Email: [akraievoy@gmail.com](mailto:akraievoy@gmail.com)
- Family status: married, two children
- Possibility to work in the UK: Tier 2 Visa Sponsorship required

## Education / Academia / Competitive Programming

- 2005 Masters in "Decision-Support Systems in Business", Institute of Applied System Analysis of NTUU "Kyiv Polytechnic Institute"
- Areas of interest: complex networks, DHT protocols, resilience of distributed systems, expander networks and spectral graph theory
- coursera: [Reactive Programming](#) completed with score of 82.5% in Jan 2014
- score at [HackerRank](#) above 2000, [TopCoder](#) above 1300

## Skills and Tools

- Object-Oriented Programming: GoLang, Java: **Guice**, *Spring*, *Hibernate*
- Functional Programming: **Scala**: ScalikeJDBC, Unfiltered, *Play!*, *Akka*; *JavaScript*: *Lodash*
- Scripting: **bash**, **GNU coreutils**, Python
  
- BigData: **Apache Spark: Batch & Kafka + Structured Streaming**; Impala, AWS: *Elastic MapReduce*, *Athena*, *RedShift*; *Google BigQuery*
- Cloud Computing: **Amazon Web Services: EC2+ELB+Route53, Spot Fleet API**, CloudFormation
- DevOps/SRE: **grafana**, prometheus, influx, graylog, nginx, *zabbix*
  
- Software Design: **BPMN2**, UML, *Gang-of-Four Patterns*, *Enterprise Integration Patterns*
- Continuous Delivery: **TeamCity**, **GitHub API**, gradle, *sbt*, *multi-module maven/ant builds*
- Microservices: **Docker**, **Kubernetes**, **Mesos**, AWS Lambda
  
- Data stores: **Postgresql 9.6**, Flyway, AWS: RDS, DynamoDb; *CouchDB*, *MongoDB*
- Web applications: D3.js, *Angular.js*, *jQuery*, *Kendo UI*, *Servlets*, *JSP*
- Operating Systems: **Ubuntu Linux + XFCE**, *CentOS Linux*

## Languages

- English - First Certificate in English, Level 2 (C1) as of February 2015, Cambridge English Language Assessment;
- Russian, Ukrainian - native speaker
- Polish - Level B1 as of 2015

## Employment History

### Oct 2015 — current : Architecture Technical Lead at Captify Media

- Implemented Spot Fleet autoscaler and several cost/savings/risk assessment tools  
GoLang, Prometheus, Grafana, AWS EC2, Mesos
- Led a project to reduce end-to-end data pipeline processing lag  
Scala, Spark Streaming, Kafka, Mesos, Singularity
- Factored out multiple microservices, implemented modular CI/CD workflows  
Python/Bash, Docker, Kubernetes, Teamcity, Amazon ECR, ELB, Route53
- Established SRE practices in several teams  
Graylog, InfluxDB, Grafana, Prometheus
- Evaluated and supported workload migration across multiple big data stacks  
Impala, Amazon RedShift, Google BigQuery, Databricks
- Documenting system architecture as series of BPMN diagrams

### Nov 2013 — Oct 2015 : Technical Team Lead at Innovecs (for Captify Media)

- Implemented Dependency Injection for Spark/Play!-based applications  
Scala, Guice
- Led full-stack solution architecture and developed features of an ERP web-application  
Scala, Play 2.2, Akka 2.3, Angular.js, D3.js
- Led solution architecture for search retargeting, aggregation, attribution data pipelines  
Scala, Spark 1.6, PostgreSQL 9.3, Amazon RedShift

### May 2012 — Oct 2013 : Scala Backend Developer -> Team Lead at StrikeAd

- Led a team of 4, developing aggregation data pipeline and reporting web application  
Scala, Play!, Google BigQuery, Java, Hadoop/Pig
- Led a team of 8, developing an AdOps trading desk web-application  
Scala, Play, MongoDB, Javascript, Kendo UI

### May 2011 — May 2012 : Senior Java Developer at Globallogic (for Telcordia)

- Developed features for a corporate account management web-application  
Java, Jetty, SmartGWT, Axis
- Covered build automation and team branch isolation for several modules of Broadband Charging System

Java, Spring, JBoss, Oracle TimesTen, Fitness, Ant

**Oct 2010 – Feb 2011 : Part-time tutor at EPAM**

- Developed and conducted crash course for junior Java developers

**Sept 2009 – May 2011 : Assistant at Department of Math Methods of System Analysis**

- Conducted Computer Networks / Software Engineering courses
- Designed and implemented courseware webapp with approval/scoring functions  
Java, Spring-MVC/Velocity, CoachDB
- Designed and implemented a platform for discrete-event simulation of DHT protocol Chord – to prove better resilience after spectral gap increase

Java, Spring, JDBC, H2, Swing

**Jan 2007 – Apr 2011 : Technical Team Lead at ODesk (for codebistro.com)**

- took part in development of X-Ray/MRT peer-review web-application  
Javascript, JQuery, Java, Spring-MVC, Velocity, JPA, H2
- took part in development of Java applet/servlet solution for striped streaming media transfer  
Javascript, JQuery, Java, Spring-MVC, Velocity, Servlets, picoContainer, xFire, HttpClient
- took part in development of pre-publishing review/approve web-application  
Java, Swing, Google Protobuf, Spring-MVC, Velocity

**Jun 2006 – Oct 2006 : Java Developer at Incom (for Kyivstar)**

- Kyivstar SelfCare Portal: bugfixes, continuous integration/deployment  
Java, Struts, Ant, XSLT
- Resource Manager: simple Swing database front-end, database integrated with Continuous Integration API to trigger builds by database changes

Java, Swing, JDBC, Oracle 9i, CruiseControl

**Jan 2005 – Jun 2006 : Java Developer at Vested Development Inc**

- Proposing solution architecture and implementation of several ERP modules in distributed team
- Significant contribution to build management process and overall code quality
- Successfully led a team of 3 developers during prototype phase of one of modules
  - Java EE 1.3 (Servlets, JSP, EJB), JetSpeed, Turbine, Apache POI, JasperReports, Oracle 9i, CruiseControl

**May 2004 – Jan 2005 : Java Developer at Ciklum, for ExcelData**

- Design, development and bug fixing of several replacement modules for in-house ERP system  
Java, Swing, custom DOM-based XML API

**Jul 2003 – Jan 2004 : Junior Java Developer at Dev Zero G Ltd.**

- Feature Development for several JSP-based web-applications: a CMS, preprint management, pre-flight document proofing  
Java, Java Servlets/Applets, Struts, Java ImageIO, PostgreSQL