# Andrii Karmeliuk

# Java Developer

Zillertalstr. 63 81373 Munich \$\psi\$ +49 (176) 1589 1509 (a) +49 (176) 9142 4074 ⋈ karmeliuk@gmail.com

#### Education

2011–2014 Master of Science in Computer Science, University of Bonn.

2010-2011 Exchange Program, HTWK Leipzig.

2006–2010 **Bachelor's Degree**, *National Technical University of Ukraine*, Kiev.

#### Master Thesis

title Text-mining on smartphones: SentiMenthal.

description An Android app for sentiment analysis of text messages.

## **Experience**

#### Nov 2014 **Junior Software Developer**, *Insparx GmbH*, Munich.

present Development of back-end (80%) and front-end (20%) subsystems for company's dating platform.

- o Implementation of encryption service for secure persistence of sensitive customer data
- New payment modes and account statuses implementation:
  - Integration of new workflows within existing payment system;
  - Creation of new pages, flows and components at front-end;
- Expansion of existing system tracking/logging logic BigQuery eventing;
- Features for customer support reporting subsystem with data aggregation from numerous
- o Maintenance of existing secondary projects, such as localization and user matching modules:
- o Tools and Technologies: Java, Spring, AOP, PostgreSQL, MongoDB, Google BigQuery, REST, AngularJS, Git, Maven;

#### Nov 2011 **Software Engineer (student assistant)**, Fraunhofer FIT, Bonn.

- Mar 2014 SWAPit: Text-mining system for managing and visualization of large sets of textual data, used for news tracking and patent similarity analysis.
  - Refactoring of JSPs to separate presentation and business-logic concerns
  - Back-end subsystem refactoring and bug fixing
  - User interface redesign
  - Code style unification, improvement of database communication structure
  - Tools and Technologies: Java, Eclipse, SVN, JSP, Servlets, Hibernate, SQL, Tomcat,

- Nov 2011 Software Engineer (student assistant), Fraunhofer FIT, Bonn.
- Mar 2014 Plan-T: Action-guidelines management system for public services coordination at events of extreme disasters and situations.
  - Design and develop underlying database architecture
  - New features implementation (exporting to PDF, Word, Excel; User/project management functionality)
  - UI performance improvement
  - Refactoring and bug-fixing
  - Tools and Technologies: C#, UML, WinForms, WinAPI, MS Visual Studio, MS SQL Express, JIRA, SVN
- Nov 2011 **Software Engineer (student assistant)**, Fraunhofer FIT, Bonn.
- Mar 2014 O Vis-En-Vis Solar: Solar panel flare simulation as a web-service.
  - Initial architecture and prototype implementation
  - User interface design
  - Authorization and project management features implementation
  - Creation of underlying database schema
  - Scripts conversion for geographical data extraction (C# to Perl)
  - Tools and Technologies: Python, Django, SQLite, JavaScript, jQuery, C#, Perl, Apache HTTP server, Unity 3D engine, Twitter Bootstrap

#### Technical Skills

Java Spring (Core, MVC, Data, AOP), AspectJ, RxJava, JPA, Servlet, JSP, JUnit, Mockito, Tomcat

DBMS PostgreSQL, MongoDB, MySQL

Other C# (WinForms, WinAPI, Entity Framework), JavaScript (Vanilla, jQuery, AngularJS), HTML, CSS, Prolog, Android (native and Cordova/Ionic)

Tools IntelliJ IDEA, Eclipse, Maven, Gradle, Git, SVN, JIRA

OS Mac OS, Windows, Linux

#### ———— Certifications

Java Sun Certified Java Programmer - SCJP 6.0

## Languages

English Fluent

German Basic

Ukrainian Native

Russian Native

#### \_\_\_\_\_Interests

Sports Football, table tennis, kicker, badminton

Science Machine learning, physics, cosmology

Books Biography, Popular science, Science fiction