

## Andrew Proshkin CV

[remote working only]

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**Education**         Penza state university, faculty of Computer Science, 1997 – 2002

## About

\* 10 years experience in programming

\* I find long-term difficult projects to be particularly interesting

**I can:** - develop complex systems

- read and understand legacy code, optimize it and perform refactoring

**The principles that I prefer to follow in programming:**

- a reliable code equals a simple code (Unix way, KISS)

- keep up with the latest technologies and trends in programming

- pick up good ideas from other programming languages and methodologies

**The books I've read lately:**

Scala in Depth. Joshua D. Suereth. Manning Publications 2012.

Java 8 Lambdas. Richard Warburton. O'Reilly 2014.

Play for Scala. Peter Hilton. Manning Publications 2014.

Scala in Action, Nilanjana Raychaudhuri. Manning Publications 2013.

Scala design patterns. John Hunt. Springer International Publishing Switzerland 2013.

## Common skills

**Languages that I'm highly experienced in working with:**

Scala, Java, Javascript, Regex

**Languages that I'm familiar with:**

Common Lisp, Clojure, Goovy, Haskell, C++, C, Assembler x86

**English:** taking an intermediate course at the moment **German:** beginner

**Methodologies:** OOP, functional programming, generative programming, continuous integration, lean software development, Scrum, TDD, REST, Reactive design patterns

**Math concepts:** graph theory, automata theory, lambda calculus

**SCM:** Git (prefer <http://nvie.com/files/Git-branching-model.pdf>), Subversion

**IDE, Tools:** IntelliJ IDEA, Eclipse (JEE, Scala-IDE), Netbeans, Ant, Maven, SBT (0.13.x)

**Planning:** JIRA, Unfuddle, AgileZen, YouTrack

**CI:** Hudson, Cruise control

**OS:** Linux (OpenSuse, Mint, Ubuntu)

**other:** nginx (load balancing), Tomcat clustering

**Database:** PostgreSQL, H2, MySQL, Firebird, HSQLDB, Redis

**Big Data:** I've got some experience in working with MongoDB which I used in messenger in "social network" project (<http://charlaremos.com>). Also, I developed a specialized database (based on files and NIO) to work with big data which has the following features: searching, filtering, sorting (based on two-phase merge sort algorithm)

## Frontend

**languages:** Javascript, HTML5, CSS3, LESS, ScalaScript

**frameworks:** JQuery, JQueryUI, Prototype, Isogenic engine, AngularJS, Bootstrap3

**tools:** Grunt, JsLint

## Backend - Scala stack (experience 1,5 year)

**language level:** 2.11.x

**language concepts:** collections, pattern matching, implicits, FP-features (immutable, combinators, currying, partial, lambdas, tail recursion), type variance, string interpolators, structural types, futures, scala-reflections

**web:** Playframework (2.x), Xitrum, Spray.io, Web-sockets

**database:** Slick 2.1 (prefferable), Casbah (MongoDB), ScalikeJDBC, Squeryl, Anorm

**concurrent:** Akka, Futures

**testing:** scalatest, scalacheck, spec

**tools:** SBT (manage dependencies, user-tasks, publishing to repositories), Scala-REPL

## Backend - Java stack (experience 10 years)

**language level:** Java 7, 8

**API:** collections, NIO, concurrency, reflection, dynamic proxy, in-memory compilation, etc

**frameworks, libs, specs:** Springframework (3.x / 4.x): IOC, Security, MVC, transactions, JSR-303 etc.; Playframework (Java), Hibernate (core, HQL, search), Lucene, Quartz, Apache commons, WS, Akka, Jackson, ehcache, Liferay

**additional languages:** XML, JSPX, JSON, YAML

**testing:** JUnit, Unitils (transactional testing infrastructure, data sets), TestNG, Spring-test

**tools:** JProfiler, Maven3, Ant, Liquibase

**app-servers:** Tomcat, GlassFish, Jetty

## Last non-commercial projects:

<https://github.com/zx80live/mod-fast-cards> - Linux console flash-cards

<https://github.com/zx80live/com.zx80.mod.english.remote>

**description:** Remote API for Longman/Lingvo Dictionary, Yandex translator

**skills:** Scala Futures

**stack:** scala 2.11, spray-json, net.databinder.dispatch, org.jsoup

<https://github.com/zx80live/com.zx80live.mod.siteextractor> - Simple site parser API

**skills:** Scala Futures, Scala regex, Akka

<https://github.com/zx80live/crazy-eights-game> - Crazy Eights Game

**skills:** Actors, implicits, String interpotaions, recursion, functional combinators

<https://github.com/zx80live/leverage-expertise>

**description:** subprojects – Slick-extensions, Simple-security, Play-Security, Fixtures

**skills:** Slick, scala reflection, tests, lambdas, complex slick-joins

<https://github.com/slick/slick/issues/999> - find and contribute bug in slick project

## Last commercial projects:

2009 – 2013, Fernando systems. Social network <http://charlaremos.com>:

Design and development (back-end and front-end): architecture, core API and modules, database model; task planning; testing infrastructure; continuous integration;

**Stack:** Springframework (MVC, security, IOC, transactions, etc), Hibernate, Hibernate search

**Frontend:** jQuery, Bootstrap, Prototype, GWT

2013, Fernando systems. Race game front-end <http://ageofclones.com>:

Pig race game front-end based on isometric engine

**Frontend:** jQuery, pure OOP/Functional Javascript, Isogenic engine, physic modeling, HTML5

2007 – 2008, HeadHunter:Penza. Project <http://livehh.ru> - worked in team

**Java stack:** Springframework (MVC, WebFlow, Security), Hibernate

In addition: Tomcat clustering

2008, HeadHunter:Penza, Project <http://career.ru> - worked in team, **Java stack:** Liferay portal