

George Shakhnazaryan

Software Engineer

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📄 <https://github.com/gshakhn>

Skills

Core Languages	Java, Scala, JavaScript
Extra Languages	Ruby, C#, Lua, C
Frameworks	Stripes, Jersey, Scalatra, jQuery, Ember.js, Meteor, Guice, Hibernate, Slick
TDD Tools	JUnit, ScalaTest, ScalaCheck, Fitnesse, RSpec, Selenium WebDriver, page-object, Jasmine, js-test-driver
Quality Tools	Sonar, FxCop, Scalastyle, scet, Jenkins, CruiseControl.NET
Databases	Oracle 11g, SQL Server 2008, HSQLDB 2.0, H2
Source Control	SVN, Git, Perforce
Other	JRebel, RabbitMQ, Ant, Ivy, sbt, maven, make

Experience

- 2010–Present **Software Engineer**, *Backstop Solutions Group*, Chicago, IL.
Software as a service platform for hedge funds and fund of funds.
- Maintained and improved main Accounting/CRM Java web platform following Scrum and Kanban methodologies.
 - Worked with product owners to write executable acceptance tests that caught numerous bugs during project development and subsequent maintenance.
 - Collaborated with product owners to figure out project priorities.
 - Trained new team members on platform and team processes.
 - Deployed and monitored software in production.
 - Developed separate accounting service to make business logic more traceable.
 - Created scalable services to sync email from Exchange 2007/2010 and IMAP servers. The new services made syncing errors easier to diagnose.
 - Integrated Fitnesse with build process. Promoted writing integration tests and assisted team members in test writing.
 - Integrated js-test-driver with build process. This allowed us to test our JavaScript business logic separately from the web portion.
 - Added new functionality and fixed bugs in page-object, an external Ruby gem that provides a DSL for browser testing. page-object helped us write more maintainable and readable tests.
 - Wrote and helped others write RSpec tests using Selenium WebDriver and page-object.
 - Modified RSpec test runner to record videos of browser tests. This made diagnosing test failures easier.
 - Setup Vagrant recipe for development environment. This cut new developer setup time in half.

- 2008-2010 **Software Developer**, *AgileTek LLC*, Des Plaines, IL.
Custom software development firm specializing in high risk projects
- Planned and estimated tasks, following an Agile methodology
 - Created a .NET 3.5 WinForms application for an automated medical diagnostics device.
 - Created a printing framework utilizing .NET printing to print reports. Designed and created reports using framework.
 - Architected migration process of legacy data to new schema.
 - Created an online payment portal using ASP.NET Web Forms for auto insurance agencies, which thousands of customers use to pay for their auto insurance.
 - Defined the client's objective and brainstormed ways of meeting the objective.
 - Designed MS SQL Server database schema.
 - Created FTP application to download payment records from a payment processor.
 - Integrated multiple 3rd party software packages to ease client workflow.
 - Setup SVN server and assisted team members in accessing source control.

Education

- 2012 **Functional Programming Principles in Scala**, *coursera.org*.
An online course taught by Scala designer Martin Odersky
- 2012 **Artificial Intelligence for Robotics**, *udacity.com*.
An online course taught by Stanford professor Sebastian Thrun
- 2011 **Introduction to Artificial Intelligence**, *ai-class.com*.
An online course taught by Stanford professors Peter Norvig and Sebastian Thrun
- 2006–2008 **Bachelor of Science**, *University of Illinois at Chicago*, 3.66/4.00.
Major: Computer Science

Personal Projects

sonar-intellij-plugin.

Plugin for IntelliJ IDE that connects to a Sonar server and shows code violations. Downloaded by 3000+ developers.

idea-fitnessse.

Plugin for IntelliJ IDE that adds Fitnessse test support. Currently in development.

Lending Shak.

Android app that connects to a Prosper account to show balances and notes.

checkin.

Meteor app that helps team members share status updates.