

George Shakhnazaryan

Software Engineer

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🌐 <http://www.gshakhn.com>

Skills

Core Languages	Java, Scala
Extra Languages	JavaScript, Ruby, C#
Frameworks	Stripes, Jersey, Scalatra, jQuery, Guice, Hibernate, Slick
TDD Tools	JUnit, ScalaTest, ScalaCheck, FitNesse, RSpec, Selenium WebDriver, page-object, Jasmine
Quality Tools	Sonar, Scalastyle, scet, Jenkins
Databases	Oracle 11g, HSQLDB 2.0, H2
Source Control	SVN, Git
Other	Dropwizard Metrics, Ant, Ivy, sbt, maven, Docker, Grafana, Splunk, RabbitMQ, Swagger

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.
 - Coordinated biweekly Lunch and Learns for continuous education.
 - Deployed and monitored software in production.
 - Integrated Dropwizard Metrics support to help monitor production. Trained others in how to add more metrics and view them in Grafana.
 - Developed separate accounting service to make business logic more traceable. New service was an order of magnitude faster while using less resources.
 - Documented API endpoints for our clients to use via Swagger and Swagger UI.
 - 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.
 - Modified RSpec Selenium WebDriver test runner to record videos of browser tests. This made diagnosing test failures easier.

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

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.

private-wiki.

Scala.js app for taking notes. Currently in development.