

Zachary M3ntez Skolnik
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<https://github.com/zskolnik>

Skills

Development:	Java, Ruby, C++, Python
DevOps:	Jenkins, Bash, Docker, Groovy
Testing:	Selenium, BrowserStack, Cucumber
Database:	MySQL, GemFire, MongoDB, KDB

Experience

Wyre	<i>Backend Engineer</i>	San Francisco	2016 – 2017
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Developed an asynchronous backend application for tracking cryptocurrency, fiat currency, and compound market rates
Invented a system for spinning up ephemeral environments and demoing feature branches before merging to develop
Setup and administered a fault-tolerant automation server to build, test, and deploy all of our projects
Compatibility tested thousands of desktop & mobile browsers, and smoke tested a real UI on headless Ubuntu
Tech Stack: Jenkins, RxJava, Bash, Docker, AWS (EC2, S3, EBS), Groovy, Selenium

21 Inc	<i>Consultant</i>	New York	2016
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Integration tested Bitcoin payment channels with Filesystem in Userspace on Raspbian, Ubuntu Jenkins, and Mac
[Integration tested Bitcoin marketplace](#) publishing, searching, and buying with on-chain and off-chain transactions
Tech Stack: Python, pytest, Bash, Raspbian, Ubuntu, Mac, Jenkins

REDI Global Technologies	<i>Principal Software Engineer in Test</i>	New York	2015
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Wrote BDD tests for spread trader algorithm
Automated deployments and setup servers
Mentored, recruited, and constructed our take-home test & [take-home project](#)
Tech Stack: Java, Selenium, Cucumber, Bash, Chef, Jenkins, PowerShell, CentOS, Gradle, Sybase

ADP Innovation Lab	<i>Lead Application Developer</i>	New York	2014 – 2015
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Filed [two patents](#)
Go-to person for code reviews, knowledge sharing, and general support
Migrated test automation framework from MongoDB to GemFire
Tech Stack: Node.js, Jasmine, Ruby 2, RSpec, Selenium Grid, Jenkins, Gatling, GemFire, MongoDB, SUSE Linux

FreeAssociation	<i>Developer</i>	New York	2013 – 2014
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Created responsive, CMS-driven websites for Time Warner Cable and Yingli Solar
Maintained websites for Ford and FreeAssociation
Developed an iOS app using CoreLocation services
Tech Stack: Ruby 2, Rails 3, HTML5, Sass, Susy, jQuery, CoffeeScript, MySQL, EC2, RDS, S3, Capistrano 2, iOS 7

Tykoon	<i>Senior Software Engineer</i>	New York	2012 – 2013
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Developed a web application, and maintained a REST JSON API for iOS
Migrated from Amazon EC2 to Rackspace, automated deployments, and administered servers
Mentored two software engineers
Tech Stack: Ruby 2, Rails 3, Resque, RSpec, Selenium, PostgreSQL, Ubuntu 12.04 LTS, Capistrano 2, iOS 6

Guggenheim Partners	<i>Application Developer</i>	New York	2011 – 2012
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Developed Windows services and web applications for Guggenheim Securities
Architected a security master using Bloomberg Open Symbology, and a cross-product trade data mart based on FIX
Tech Stack: C# ASP.NET MVC 3, NUnit, Ruby 1.9, RSpec, Selenium, WatiR, SSAS, FIX 5.0, Capistrano 2, TFS

Nomura Securities	<i>Fixed Income Technology Consultant</i>	New York	2010 – 2011
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Created the Market Data Server for Credit & Rates Analytics
Developed real-time and end-of-day price feed adaptors for Cross-Product Risk
Tech Stack: C++ (Boost, Poco), C# 3.0 (WPF), Java, TIBCO Rendezvous, GemFire, VB6, SVN

SCT Capital Management	<i>Programmer / Analyst</i>	New York	2007 – 2009
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Created a real-time P&L system for currency, commodity, fixed income, and equity index futures
Developed a library for historical and real-time market data from Deutsche Bank, Tick Data, and eSignal
Wrote an application for auto trading in .NET and setup T1s from our co-located server to Deutsche Bank through BT Radianz
Tech Stack: C# 2.0 (WinForms), Ruby 1.9, MySQL, QuickFix, FIX 4.2

NetWIRC Inc.	<i>Co-Founder / CTO</i>	San Francisco	2006 – 2007
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[Created a web application for persistent group chat](#)
Raised \$25K in seed funding, and managed two senior consultants
Tech Stack: Ruby 1.8, Rails 1.0, MySQL, Red Hat Linux

Education

MIT	<i>Computer Science & Financial Management</i>	Cambridge	2002 – 2006
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Database Administrator for Microsoft iCampus project DomeView
Elected Undergraduate Association publicity chair & Kappa Sigma social chair

Other

Black Girls Code	<i>Tech Mentor & Instructor</i>		2017
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My Trade Wizard	Created software for automatically trading stocks, futures, and Bitcoin	
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Bilingual	Fluent in Spanish	
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New York Times	Investing: Teenage Bulls See Profits in a Time of Anxiety	September 23 2001
New York Times	In High School, Hallways Buzz With Stock Tips	January 14 2001
Wall Street Journal	Spending It, Investing It – Coming on Strong	November 29 1999