MICHAEL SENEADZA

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SUMMARY: I have over fifteen years of full life-cycle software development experience. Much of that time was spent as a consultant to Fortune 500 companies, which gave me knowledge of several different industries. Over the last several years I co-founded two web start-ups (WallStrip.com and n4md.com) and launched SwingTradeBot.com (Rails 4.0) and FaveBot.com (Rails 2.3). In 2012 I graduated from the first cohort of Georgia Tech's Flashpoint startup accelerator program.

SOFTWARE: Ruby, Ruby on Rails 1.2 – 4.1, SQL, PostgreSQL, MySQL, JQuery, JavaScript, JSON, HTML, CSS, HAML.

EDUCATION: **Stanford University**, Stanford, CA.
9/86 - 6/90   B.S. Electrical Engineering. Specialization: Computer Architecture. Coursework included digital design, artificial intelligence, Pascal, and 68000 Assembler.

EXPERIENCE: **Pindrop Security**
4/15 – Present   *Software Engineer.* Focused on the Ruby on Rails portion of our phone call fraud detection application. The Rails app had zero unit tests and very bloated controllers when I arrived.   My early weeks there were spent wrapping tests around the code and refactoring the app to make it much more maintainable. I also did a lot of MySQL query optimization. We worked using Agile Scrum initially but switched over to Kanban. While we did not require TDD, we did require unit tests and all submitted code had to be peer-reviewed and approved using Github pull requests. Tools used include: Ruby on Rails 4.1, MySQL, JQuery, AngularJS, Jenkins, git, GitHub & Jira.

Volta Software Consulting
1/14 – 4/15   *Founder & Lead Web Developer.* Did consulting work for a few start-ups and small businesses. Helped an email newsletter solutions provider migrate their users' data from a legacy database and NetSuite to a new Rails 4.0 & PostgreSQL system. Implemented Apache Solr search into a client's Rails web app to provide a more robust full-text search capability, complete with custom synonyms and handling of misspellings. Improved a client's BrainTree API integration to improve data consistency and provide admins and CS reps a much easier process to upgrade & downgrade user's subscription plans. Ongoing work providing full stack development in Ruby, Rails, JQuery and SQL.

9/12 – 1/14   **Pretty in my Pocket**
CTO. Maintained and extended a Rails 3.2 application which served as a back-end (via a JSON API) to our iOS and Android apps as well as dashboards for admins and partners. Interfaced with the Sparkfly API to manage and serve geo-targeted mobile digital coupons. Refactored and rearchitected sytem to add a staging server, improve code quality (Code Climate grade rose from 1.9 to 3.2), scalability (moved from a single server to Heroku's cloud) and performance (implemented memcached and Rails low-level caching; moved some processing to background workers; database and SQL tuning; upgraded from Ruby 1.9 to 2.0). Migrated the database from MySQL to PostgreSQL. Switched our geolocation functionality from relying on external APIs to instead leverage PostgreSQL's geolocation features. Tools used include: Ruby 2.0, Ruby on Rails 3.2, Heroku, PostgreSQL, JQuery, JSON, git & GitHub.

3/11 – 11/13   **n4md.com**
Co-Founder & CTO. Architected and helped build our Interest Server – a web-based content curation platform which delivers content to mobile apps such as Flipboard, Google Currents & Pulse. During our time in FlashPoint, I built a few prototypes as we tested various business models and approaches. Tools used include: Ruby on Rails 3.x, Heroku, git & PostgreSQL.

2/12 – 8/12   **CodeGuard.com**
Ruby on Rails Developer. I helped to architect and build CodeGuard's website file restore process. I also analyzed NewRelic metrics and MySQL queries in order to boost performance. Played a key

role in migrating to MySQL 5.5 and in database tuning. Tools used include: Pivotal Tracker, RSpec, git, GitHub and Jquery.

10/07 – 11/13   **FaveBot.com**
Founder/Developer. Developed FaveBot.com using Ruby on Rails. The site interfaces via XML and/or APIs with Amazon, Google, YouTube, Eventful, Apple's iTunes and Flickr to provide a topic tracking service for users. FaveBot is hosted on Amazon's EC2 cloud computing service via Heroku.

8/06 – 5/07   **WallStrip.com**
Co-Founder. Helped launch this site which produced daily "edutainment" videos on investing. I set up and maintained WordPress as well as helped in marketing, selection of stocks to profile and finding partnerships. Served as editor for our blogging team which provided additional analysis to go along with our daily videos. My involvement ended when CBS acquired WallStrip in May of 2007.

7/99 – 12/10   **Independent Equities Trader,** Atlanta, GA.
Analyzed market data to identify profitable trading opportunities. In 2003 I launched one of the most widely read stock market weblogs, TraderMike.net, which has been recommended by Barron's and Forbes (Winter 2004 Best of the Web). I published my analysis of the market's technical landscape and trading candidates. I have also written articles on technical analysis, money management and risk management.

7/98 – 6/99   **PowerTrade Corp.,** Houston, TX.
Consultant. Used PowerBuilder 5.0 and 6.5 to enhance a Powerbuilder Foundation Classes (PFC) based energy trading and scheduling system for The Williams Companies.   I created a module that allows users to view real-time positions. That module uses Oracle database agents along with several triggers and stored procedures to notify the front-end of changes.

2/97 – 5/98   **CIBER,** Atlanta, GA
Consultant. Participated in the development of a Risk Management and Trading System for Southern Energy (now Mirant). I was responsible for the Market Data, Appraisal Results, Counterparty Credit, and Contract Admin. modules. The Market Data module allowed for graphical display of price curves. Developed an automated process for uploading curves to Oracle, from Excel spreadsheets. I created a flexible, data driven, reporting module that allows developers to quickly add new reports to the system.

9/96 - 2/97   **Staffing Innovations,** Atlanta, GA
Lead Analyst. Led the development of an Image Retrieval and Storage System for Coca Cola. The system is an intranet enabled, distributed application written in PowerBuilder 5.0, HTML, and Web.PB. The application allows users to search an Oracle database for multi-media files, view and/or hear those files. Responsibilities included object modeling, coaching other team members in PowerBuilder, and full life-cycle development.

4/95 - 9/96   **Greenbrier & Russel,** Atlanta, GA
Applications Specialist: As a PowerBuilder developer for Turner Broadcasting, I was part of a team which was responsible for integrating a customer and contract application with a sales and billing application. Both of these systems were written in PowerBuilder 4.0 and ran against Oracle databases. My focus was on modifying the original customer and contract system, and its stored procedures to meet the new requirements.

As a lead PowerBuilder developer for a major auto equipment manufacturer, I designed and helped develop a customer inventory management system. My responsibilities included interviewing users, data modeling, object modeling, PowerBuilder coding, and creating on-line help.

10/94 - 4/95	**Federated Systems Group (now Macy's inc.),** Atlanta, GA.

Architecture Analyst: Used the Seer HPS CASE tool and the IE methodology to reengineer legacy purchasing systems for a distributed client/server environment. Responsibilities included process and data modeling, interviewing users, and full life-cycle development.

1/93 - 9/94	**Cap Gemini America**, Atlanta, GA.

Senior *Consultant*: Helped to design and implement a Global Account Management System. The system consisted of a PowerBuilder 3.0 front-end and an Oracle 7.0 database. Responsibilities included designing and building several modules that provided customer establishment/maintenance, customer service plan set-up, security, and basic table maintenance.

Served as an IEF CASE Developer on a payroll system for a major service company. Primary responsibility entailed full life-cycle development including analysis, design, construction, and implementation of a re-architected portion of the system functionality.

Served as a data modeler for IBM's worldwide reengineering project. Also facilitated JAD sessions with users to collect business requirements.

7/90 - 1/93	**Price Waterhouse**, Management Consulting Services, Los Angeles, CA.

Staff Consultant: Worked as an analyst on several DB2/CICS systems for a telecommunications company.   Designed part of a workers' compensation policy mgmt. system for a state government. Responsible for interviewing users and designing screen and report layouts and definitions. Designed specifications for the merger of the human resources systems of two financial institutions. Assisted in the BAA phase of an IEF implementation for a major Aerospace Company.

Graduate of Price Waterhouse's Management Consulting Information Technology Individual Study (MITIS) training program. Training included structural design techniques, ISPF/PDF, COBOL and CICS programming, MVS/XA JCL, DB2, and SQL in an IBM 3090 environment. After completing the course, I worked as a teaching assistant for the following class.