

# Lee Green

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GitHub: LeeXGreen

## Summary

**Software architect** and **full-stack developer**, experienced in creating **APIs** and **backend** systems for **web** and **mobile**. Proven **project leader** with a history of leading both employees and consultants. Passionate about **solving business problems** with **elegant software** solutions. Adept at distilling **clear technical specs** from user requirements.

Over 6 years of **Ruby** experience, including **Rails 2/3/4**, **Rack**, and **Sinatra**. Over 2 years of **Python** experience. Skilled with **SQL (MySQL, PostgreSQL, and Oracle)** as well as **Memcache / Redis**. Experienced user of **Amazon** services (**EC2, S3, SES**). Capable with **HTML, CSS (SCSS / SASS)**, and **JavaScript (CoffeeScript, EmberJS)**. Comfortable in **Linux / UNIX**, as well as **OS X**. Addicted to version control with **Git**, reproducible development environments with **Vagrant**, and config management with **Chef** or **Puppet**.

## Experience

**Senior Software Developer**  
*Spiceworks*

2014 - Present  
Austin, Texas

Lead developer on the Infrastructure team, reporting to the CTO.  
Team responsibilities include architecture, performance/scaling, and security.

Personal responsibilities include:

- Review code / database schema changes
- Improve application performance and automated test execution speed
- Oversee extraction of services from monolithic Rails codebase

**Principal**  
*Lee Green Consulting*

2014 - Present  
Austin, Texas

Provide software architecture / development / optimization services

- In Python, designed and built a stateful log parser to turn raw device logs into rich events.
- Designed event data model to allow for flexible yet efficient queries
- Built a pipeline to handle these events, including enrichment (merging data from APIs, databases) and delivery to internal and third-party analytics systems

**Senior Software Developer**  
*DecisionGrid*

2014  
Austin, Texas

- Designed and implemented features and bugfixes at all levels of the web stack, for example:
  - designing table schemas, optimizing indexes
  - customizing existing or building new Rack middleware
  - building new features in a single-page app (SPA) architecture (Rails API, EmberJS frontend)
  - converting existing Rails-driven features into SPA while improving functionality

## Senior Software Developer

*TouchTunes*

2010 - 2014  
Montreal, Quebec

- The go-to guy for quick solutions, rapid prototyping, and exploration of new tech:
  - TouchTunes Presents — perform market tests before actual product development
  - Crowd-Sourced DJ, SXSW party — allow attendees to choose the music
  - Real-Time Analytics — evaluate analytics providers before full instrumentation
- Software architect and project lead for multiple 5-6 figure projects, including:
  - TouchTunesTV Canvas — completely customize in-venue messaging, include tweets
  - PhotoBooth — customize app graphics on a per-jukebox basis, add venue logo
- Software architect / lead developer for Barfly digital signage system
- Stepped in to lead the mobile / API team for 4 months, including on-time app launch
- Advocated for improvements to the development process, including Git and Vagrant
- Trained team members and coworkers; gave presentations promoting best practices

## Software Developer

*Barfly Interactive Networks / TouchTunes*

*Note: TouchTunes acquired Barfly in September 2008.*

2007 - 2010  
Austin, Texas

- As engineer #3 of 4, created a digital signage system in less than six months
  - Features included intelligent scheduling and targeting, remote automated system administration, dynamic data-driven media, real-time log delivery and processing
- Designed and implemented self-hosted SMS (text message) application
- Wore all the hats: client, server, databases, web apps, hardware, support in a pinch

## QA Engineer (contract)

*Pervasive Software*

2007  
Austin, Texas

- Responsible for manual and automated testing of database client and server software
- Improved testing framework and process, in addition to creating automated tests

## Software Developer

*MixZing*

2006 - 2007  
Austin, Texas

## Software Developer

*Steve Madere Consulting*

2004 - 2007  
Austin, Texas

## Education

**BS, Computer Engineering** at *The University of Texas at Austin.*

2006

- Concentrations: Microprocessor Design, Software Development
- Completed three hours of graduate coursework as part of undergraduate degree