

## TREVOR GRAYSON

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**COMPUTER PROFICIENCIES:** Scala, Java, Python, Ruby on Rails, JavaScript, JQuery, HTML, CSS, XSLT, XML, Docker, RabbitMQ, JSP, Spring MVC, Tomcat, C, Elixir, Erlang, MSSQL, MySQL, Postgres, SQL, PHP, BASH Scripting, OpenGL, GLUT, Arduino, (Visual/Stamp) Basic, VBA, Perl, x86 ASM, Git, SVN. Apache. Linux (emp. Ubuntu /Redhat/Fedora/SUSE), Photoshop, After Effects.

**FAA Private Pilot License** – SEL July 2018. Piper PA-28 Cherokee, Cessna 172

## EXPERIENCE

### Senior Engineer / Lead

*Hulu*

2016

Santa Monica, CA

**HMDB** – Founding of new live metadata catalog service. Championing Kafka and monitoring services through organization.

**f10** – Addition of MPVOD, HBO, Starz. System scaling. Breaking apart legacy monolith.

**Record Linkage** – Application of census data science standards to metadata matching. Improved match rate from <70% to 95%.

### Senior Engineer

*b Spot*

2015-2016

West Los Angeles, CA

Startup creating domestically licensed mobile gaming backed by pari-mutuel racing. Distributed micro services communicating by RabbitMQ.

**Wagering Algorithm** – Researching of Pari-mutuel racing, mathematical presentations to advance the algorithm, and resulting Scala

**User Services** – Developed and advanced Scala gaming API for applications, backend wagering services.

**Payment Services** – Bootstrapped independent Ruby service implementing multiple payment services using Active Merchant.

### PlaceCodes

*Ipsum LLC*

2015

NJ (Remote)

OpenCV image detection http service. Used FLANN and ORB to assemble a searchable image database via a CherryPy API. Significantly increased accuracy and response time of image searches. Made strategic contributions to deployment of iOS app.

### Bloomberg Ventures/LP

*Ipsum LLC*

2011-Present

New York, NY

Contracting work with Bloomberg through independent Ipsum LLC.

**Bloomberg Aptitude Test** – Co-established Talent Search Rails project. <https://talentsearch.bloomberginstitute.com/>

**BMART** – An online ad hoc Bloomberg market report store. Lead developer for duration of project.

**Editorial Dashboard** – CMS for bbg.com and other clients in house. Made “App Engine” and content scheduling platform.

**Bloomberg.com** – Updates to the bloomberg.com code base, including mostly story decoration.

**Mobile Media** – Creating Java services for mobile platforms. (MobAPP, MobAPI)

### Web Developer

*Sony Music Entertainment*

2008-2011

New York, NY

Owner of frontend theming for Artist Stores. Reporting (inc. Soundscan) and integration with several external companies. Integration with social platforms. Real time HTTP Jabber Chat over BOSH with live streaming concerts. Erlang modules to support jabber business demands.

**M2 Document Engine** – Java backend driving a JRuby front end for an abstracted document engine on the Amazon Cloud.

Development on accompanying CMS, eCommerce engine, API to the Drupal Artist sites, and a reporting engine.

**Drupal Artist Sites** – Feature enhancement for global artist websites on a full featured global Drupal Platform.

### Software Developer / Production Engineer

*Root Markets*

2006-2008

New York, NY

Projects included migration and refactoring of Lead Management System (PHP), building a buyer integration web wizard (PHP/Drupal and Drop via CSS/JS), help content management system (Java), Root Exchange (Java).

**Root Exchange** – Development of the Exchange Delivery Engine, and the Root Exchange Web Portal (Java, Spring MVC, Hibernate).

**SQL Reporting** – Supply/Demand and performance of Exchange. Click through/conversion reports for lead generation product.

**Sales Portal (Lead Developer)** – Web portal including reports, charts, new client tracking, and lead value calculators.

**Production Engineer** – Integration and technical management of buyers and sellers in the Root Exchange.

**LeadROI** – (MSSql) Gave support to development and client relations teams in CA, LeadROI. Inter-company reporting.

### Freelance Web Designer

### Quality Assurance Engineer

*Viewpoint Corp.*

2007-Present

2005-2006

New York, NY

Took dominant role in QA documentation, and testing processes. Automation in VB, batch, bash, and PHP.

**Cerberus Administrator** – email services with graphical reporting. **Tech Exchange Administrator** – Ajax Bug/Test Case CMS (PHP).

**MTX language** -- reference system for Viewpoint’s proprietary code.

### Software Integrator/Programmer Analyst

*Acolyte Technologies*

2003

Middlebury, CT

Built and Admin for Linux Cluster. Built Linux routers and network updates for small businesses.

### Administrator and Work Intern Positions

*Computer Science Computer Lab / Office of IT Saint Anselm College*

2001-2004

Manchester, NH

Instigated and administrated dual-boot (Redhat/Windows) in CS lab. Admin Windows, Tru64, Alpha, and other Linux/Unix servers. Serviced computers for the students and faculty of Saint Anselm College. Networking, running wire, and installing Enterasys E5 Switches.

## EDUCATION

**BACHELOR of ARTS, COMPUTER SCIENCE with MATH EMPHASIS** May 2004

*Saint Anselm College*

Manchester, NH

**COURSE HIGHLIGHTS:** Database Management, Operating Systems (Emphasis on Linux Kernel), Computer Graphics, Differential Equations, Vector Analysis, Motion Art, Networking, Combinatorics, Problem Solving, Electronic Circuit Analysis, Analysis of Algorithms,