TREVOR GRAYSON
Permanent Address: Santa Monica, CA • (860) 384.9759 • trevor@trevorgrayson.com

15+ years of software development experience across in startups and enterprise.

I am passionate about solving interesting problems and making well documented, transferable applications. I have also been enjoying the trend towards Data Science and relish positions that let me apply my education in math.

PROFICENCIES: Scala, Java, Python, Ruby (on Rails), JavaScript, PHP, BASH, HTML, CSS, XSLT, XML, C, Elixir, Erlang.
Data – Hadoop, HDFS, Oozie. Docker, Kafka, RabbitMQ, MSSQL, MySQL, Postgres, SQL, Arduino, x86 ASM. NGINX. Ubuntu.
AWS – Terraform, lambdas, serverless, EC2, ECS, SNS, SQS, Kinesis [Firehose], API Gateway, CloudWatch...

EDUCATION
BACHELOR of ARTS, COMPUTER SCIENCE with MATH EMPHASIS May 2004   Manchester, NH
COURSE HIGHLIGHTS: Linear Algebra, Differential Equations, Vector Analysis, Calc III, Physics (Accelerated), Combinatorics, Analysis of Algorithms, DB, OSes (Emphasis on Linux Kernel), Electronic Circuit Analysis, Assembly, Russian, Humanities.

EXPERIENCE
Retention Science   2019-2020   Santa Monica, CA
    dspymodels – Migrating the DS team into python. ML lifecycle (ALM) including PEX slugs deploying into Oozie jobs. Documentation.
    RecsWorkflow – Generating recommendations using scala app running on Uber Cadence.
Momentus / Cosma Schema [ipsum]   2019
    Momentus API – Javascript API/drop-in library to calculating space ferry rides using Momentus' platforms.
Hulu   2016-2019   Santa Monica, CA
    Record Linkage – Research and proof-of-concept for improved, data driven, statistical content matching algorithm. 20%+ improvement.
    HMDB – Founding of new live metadata catalog service. Championing Kafka and monitoring services through organization.
    f10 – Lead development on ingestion of VOD content by legacy f10 service. Initial committer to replacement system for Live TV stack.
b Spot   2014-2016   West Los Angeles, CA
Startup creating domestically licensed mobile gaming backed by pari-mutuel racing. Distributed micro services communicating by RabbitMQ.
    Wagering Algorithm – Parimutuel 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)
    Image Detection Service – OpenCV Image detection HTTP service. Approx. Nearest Neighbor classification to link users to content.
Bloomberg Ventures/LP [ipsum llc]   2011-2013
    BMART – An online ad hoc Bloomberg market report store. Lead developer for duration of project.
    Bloomberg.com/EditDash – Updates to www, CMS, and other clients in house. Made "App Engine" and content scheduling platform.
    Mobile Media – Java services for mobile platforms. Content scheduling via drag and drop. (MobAPP, MobAPI)
    Bloomberg Aptitude Test – Co-established Talent Search Rails project. https://talentsearch.bloomberginstitute.com/
Sony Music Entertainment   2008-2011   New York, NY
Owner of front end 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.
Root Markets   2006-2008   New York, NY
Projects included migration and refactoring of Lead Management System (PHP), building a buyer integration web wizard (PHP/Drag 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. Actuated inter-company reporting.
Freelance Web Designer   2007-Present – Freelance web application and web design projects.
Viewpoint Corp.   2005-2006   New York, NY
Took dominant role in QA documentation, and testing processes. Automation in VB, batch, bash, and PHP.
    Cerberus Administrator – Spearheaded effort to recover failing email services. Added customized graphical reporting.
    Tech Exchange Administrator – Administrator and developer for in-house Bug/Test Case/Content Management system. Ajax. (PHP)
    Code Reference Creator/Admin – Development of web-based, code reference system for Viewpoint's proprietary MTX language.
Acolyte Technologies   2005-2006   Middlebury, CT
Built and Administrated Linux Cluster. Anti-Spam and Anti-Virus for email clients. Built Linux routers/networks for small businesses.