

TREVOR GRAYSON

Santa Monica, CA

17+ years of software development experience across 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.

PROFICIENCIES: Python, Scala, Java, 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. DBT.

AWS – Terraform, lambdas, serverless, EC2, ECS, SNS, SQS, Kinesis [Firehose], API Gateway, CloudWatch...

GCS – Kubernetes, DataFlow, PubSub, Cloud SQL, Cloud Fn, BigTable.

EDUCATION

BACHELOR of ARTS, COMPUTER SCIENCE with MATH EMPHASIS May 2004 Saint Anselm, 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

Dave.com (IPO 2022)

2020-Present Los Angeles, CA

Founded Data Engineering. Actively managing 4 people.

ETL of all Financial, Marketing, and Application data. Administration of Snowflake Data Warehouse and Analyst's ELT.

Scaling of live machine learning model hosting and Dave's monolith database through 10MM+ Users.

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.

Momentum / Cosma Schema [ipsum]

2019

Momentum API – Javascript API/drop-in library to calculating space ferry rides using Momentum's 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/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. Actuated inter-company reporting.

Viewpoint Corp. QA docs and testing. Automation in VB, BASH, and PHP. 2005-2006

New York, NY

Acolyte Technologies. Built and Admin Linux Cluster and routers for sm biz. 2005-2006

Middlebury, CT