TREVOR GRAYSON

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COMPUTER PROFICENCIES: 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), TRU64, ALPHA, Macintosh, Windows 98, ME, NT, 2000, XP. Microsoft Office Suite (Including Access), Open Office, Photoshop, After Affects, Final Cut Pro.

EXPERIENCE

Senior Engineer   2015
b Spot   West Los Angeles, CA
Startup creating domestically licensed mobile gaming backed by pari-mutuel racing. Distributed micro services communicating by RabbitMQ.
     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.
     Wagering Algorithm – Researching of Pari-mutuel racing, mathematical presentations to advance the algorithm, and resulting Scala

PlaceCodes   2015
Ipsum LLC   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   2011-Present
Ipsum LLC   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   2008-2011
Sony Music Entertainment   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   2006-2008
Root Markets   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. Personal Projects: thephotodb.com, remembory.com, firr.st, Tick App, fraktal.me, 86.

Quality Assurance Engineer   2005-2006
Viewpoint Corp.   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.

Software Integrator/Programmer Analyst   2003
Acolyte Technologies   Middlebury, CT
Built and Administrated Linux Cluster. Integrated new technologies including Anti-Spam and Anti-Virus for email. Built Linux routers for small businesses. Additional time was spent in updating networks for small businesses, and documenting in-house network.

Administrator   2003-2004
Computer Science Computer Lab / Saint Anselm College   Manchester, NH
Instigated and administrated dual-boot (Redhat/Windows) in CS lab. Admin Windows, Tru64, Alpha, and other Linux/Unix servers.

Work Intern   2001-2003
Office of Information Technology / Saint Anselm College   Manchester, NH
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, Assembly Language, Classical Physics (Accelerated), Russian, Humanities (Including writing, philosophy, critical thinking, and theology).