Josh Rodd

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Summary	Broad experience across platforms, languages, applications, and technologies with proven experience working in teams as well as demonstrating the ability to work independently. Strongest experience in data migration including performing data transformation using scripts, data modelling, automation using scripting, capacity planning for deployment (servers, databases, network), and network analysis including SSL and X.509 certificates. Proven performance in diverse industries including: medical informatics, higher education, financial services, broadband ISP, carrier-grade telecommunications, and television. Successful roles as Lead Software Developer, System Administrator, and Consultant.
Skills	*Databases:* Oracle, MySQL, Microsoft SQL Server (including installation & administration)
	Operating systems: **Linux** (Red Hat, Centos, Debian, Ubuntu), Solaris, Windows server
	Languages: **C**, Perl, Unix/**Linux** shell scripting (**bash**), Oracle PL/SQL, **JavaScript**, **SQL**, awk/sed, **Python**, PHP, BASIC, x86 assembler, Java
	Networking: TCP/IP (at level of reading Wireshark or tcpdump traces to solve problems), DNS, DHCP, SSH, LDAP, SNMP, SSL including X.509
	Platforms: jQuery, AngularJS, REST, Ellucian Banner ERP, git and GitHub, Node.js and npm, Amazon Web Services (AWS), Docker, "Gherkin" and "cucumber" testing frameworks

Professional Experience

Tufin   Fairlawn (Akron/Cleveland), Ohio
Technical Services Consultant, Professional Services, Americas

Write software in Python to create integrations between Tufin's network security policy management appliance and existing customer software such as ticketing systems. Perform deployments and general troubleshooting of Tufin's software and connectivity to customer networking and firewall equipment.

Knowledge of SQL, PostgreSQL, and Linux required, along with subject matter expertise in areas of networking and firewalls. Required to travel to customer sites about 50% and to engage in customer facing roles. Required to work well with a global and cross-cultural team.

Renovo Solutions, Inc.   Hartville (Akron/Cleveland), Ohio
Software Developer   2015

Wrote software in C# and .NET for deployment on Amazon AWS EC2 based infrastructure. Additional duties setting up Cisco ASA hardware for site to site VPNs and office Internet access.

Platforms: Microsoft SQL Server, T-SQL, Amazon AWS EC2, Windows Server 2012 R2, JavaScript (ES5), Node.js, npm, Docket, git and GitHub, AngularJS, Cisco ASA

HealthEdge Software, Inc.   Powell (Columbus), Ohio
Information Technology Implementer, Technical Services   2013 – 2014

Worked in a consultant role at various customers, which were major health insurers, to install HealthEdge's CareManager platform. Wrote software in Perl, awk, and Unix shell scripts to do data transformation and data loads of health insurance claim and pharmacy claim data. Maintained in house cloud offering for customers who did not want to self-host. Required to travel to customer sites about 20%.

Responsible for: delivering software to regularly load data from diverse client systems; writing software to either update and insert data to HealthEdge CareManager's database via a Java Message Service-based API, or directly query HealthEdge CareManager's native database format when no API existed; maintaining delivered solutions in production at customers ongoing including monitoring to ensure successful daily data loads.

Platforms: Linux, Solaris, C, Java, Perl, Oracle database, Microsoft SQL Server Integration Services, Windows Server 2012 R2, bash/shell scripting

Pursuit Custom Audio LLC   Hartville (Akron/Cleveland), Ohio
Contract Lead Software Developer (not full time)   2011 – 2013

Built software based on a Linux and ARM platform in **C** and **Python** to run on an embedded Beaglebone platform to interact with an AD SHARC based DSP functioning as a digital audio mixer. Built prototype iOS based iPhone app to interact with the above software.

Platforms: Linux, C, Python, bash/shell scripting

American Greetings Interactive, Inc.   Brooklyn (Cleveland), Ohio
Contract QA Automation Software Developer   2012 – 2013

Built software using **Python** and Gherkin scripts on Linux to test front end websites and back end services, primarily Chase Paymentech based payment gateway services. Maintained PCI Level 1 compliance. Used a proprietary in-house Oracle database interface for Python written in C, requiring debugging of the C code from time to time.

Platforms: Oracle database, Python, Python's pip, REST, bash/shell scripting, SQL, **HTTP**

Nationwide Mutual Insurance Co.   Highland Hills (Cleveland), Ohio
Contract QA Automation Software Developer   2012

Built software in Java to automate functional front-end testing and back-end database testing of a Java Swing-based in-house desktop app. Required to interface from Java directly to IBM AS/400 and Oracle databases. Required to work closely with both an offshore team and an outsourcing vendor's consulting team.

Platforms: Java, CORBA, Oracle database, SQL, IBM AIX, Unix shell scripting, Linux, IBM AS/400

University of San Diego   San Diego, California
Contract Software Developer (not full time)   2012
Team Lead, Mobile & Imaging Technologies   2011
Senior Programmer/Analyst   2009 – 2010

Built software using Perl, JavaScript, HTML, & Oracle PL/SQL primarily for student and faculty facing web apps.

Primary system administrator for several Linux based servers and a cluster of Windows Server 2003 & 2008 based servers. Used Ellucian Banner platform.

Supervised several direct reports who were part time student workers plus 1 full time graphic designer.

Responsible in 2011 for USD's mobile strategy and mobile app development and deployment.

Platforms: Perl, JavaScript, HTML, HTTP, Oracle PL/SQL, SQL, **REST**, **SOAP**, **TCP/IP**, **CSS**, **SSL/X.509**

Kent State University   Kent (Akron/Cleveland), Ohio
Contract Programmer/Analyst   2008

Built software in Oracle PL/SQL and Unix **shell scripts** for migrating data from an older IBM MVS and COBOL based system to an Oracle and Unix based one.

Platforms: Solaris, PL/SQL, Unix shell scripts, Ellucian Banner

Concurrent Computer Corporation   Solon (Cleveland), Ohio
Contract QA Automation Software Developer   2006 – 2007

Built software in Perl and Java for testing data-warehouse software. Additional duties revolving around Linux administration and Oracle PL/SQL troubleshooting.

Platforms: **Linux**, Solaris, Oracle database, Perl, Java, Oracle PL/SQL, TOAD, IBM Cognos, Linux/Unix **shell scripts**

Global IDs, Inc.	New York, NY
System Administrator	2003
Consultant	2004 – 2005

Set up site to site VPNs between India and NY, set up test lab with Linux and other Unix (AIX, Solaris) based servers and various database platforms including Oracle and DB2. While at Global IDs, engaged in business development and consulting for the professional services division, with required travel at 100%:

Nomura Group   New York, NY
Did metadata analysis work on Nomura's worldwide data. Platforms: Linux; Informatica; Oracle

BT   Nutley, NJ (New York, NY)
Built shell scripts, Perl scripts, and PL/SQL scripts to do complex data loads covering the entire business unit into a data warehouse. Platforms: Perl; Solaris 8; Oracle database 9i; TOAD; PL/SQL; Oracle MetaSolv; Oracle Infranet Portal; Amdocs ClarifyCRM; SAP BusinessObjects

(continued)

TDS Telecom   Madison, Wisconsin
Did load testing for Oracle 8i to 9i migration. Built software using C, shell scripts, Perl, and SQL. Platforms: Linux, RADIUS, Perl, MySQL, Cisco SSG/SESM, Apache Tomcat

YMCA of Greater New York   New York, NY
Built software running on Linux to synchronise data between an IBM AS/400-based system and a SQL Server 2000 based system. Platforms: Linux, Perl, AS/400, SQL, Java

Level 3 Communications (formerly Telcove)	Coudersport, Pennsylvania
Software Engineer	2002

Built software in Oracle and Java. Set up testing lab including hardware with Sun SPARC and Solaris based hardware.

Platforms: Solaris, SSH, SNMP, Oracle database, Perl

Public Broadcasting Service	Alexandria, Virginia (DC area)
General Technologist	2001

Responsible for development PHP and MySQL based software and administering cluster of Linux based web servers.

Vidéotron Lteé	Montréal, Québec
Consultant System Administrator	2000

Wrote Perl software for LDAP and e-mail migration and installed Sun e-mail software.

Platform: Solaris 8

ACD.net (formerly ia4u, Inc.)	Charlotte (Lansing), Michigan
Software Developer	1999

Wrote Perl software and did Linux system administration for a small Internet service provider (ISP).

Platforms: Red Hat Linux 5.2; Debian Linux; HP-UX 8

Other Experience

Worked in construction trades (concrete flatwork, footers, and steel building framing) in 2014 – 2016 in the Cleveland, Ohio and Brisbane, Australia areas.

References   *References are available upon request.*

Education   Attended Malone College of Canton, Ohio, in 2002, pursuing degrees in mathematics and computer science, but did not complete.

Work   Dual United States & Australian citizen, authorised to work for any employer in the United
Authorisation   States, Australia, or New Zealand.

Affiliations   Member of NOSQAA, a Cleveland-area software QA association in 2013 – 2014.

Community   Licenced foster parent in the state of California, with about 2 years of caring for foster
Work   children, from 2010 – 2011.

Volunteered as a kids' Bible club teacher's aide focusing on children from disadvantaged backgrounds in Alliance, Ohio, in 2014 – 2015

Volunteer IT / administrative assistant for a private not-for-profit K-12 school near downtown York, PA in August & September 2016 which focuses on affordability, individual instruction, and ESL background students. Most IT work related to networking, network wiring, deploying Windows 10 to about 40 student workstations, and troubleshooting. Professional interactions with students and parents required.