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Austin, TX

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Summary

I am a senior software developer with significant experience in new product design and development. I am interested in open-source environments, including Linux, LAMP, and JVM. I have deep experience with Internet technologies at both the application and protocol levels, including web, web services, and email. I am proficient in C, C++, Java, Ruby, Perl, and PHP. My background includes positions as an individual contributor, team contributor, and team lead. I will consider both full-time and 1099 contract opportunities. I have committed roots to the community in Austin, Texas.

Work Experience

CoreTrace Corp, Austin, TX

Contract Developer, July 2010 to present

Lead designer for the *CoreTrace Reputation Service*, a cloud-based web service that provides reputation intelligence to assess risk potential of files (known good, known malware, etc.) found on endpoint workstations and servers. RESTful service implemented via Java stack, utilizing Tomcat, Hibernate JPA, MySQL, and VMware vSphere virtualization. Data management and administrative back-end implemented via Ruby utilizing Apache HTTP, Sinatra, and Sequel.

Pervasive Software, Austin, TX

Contract Developer, October 2006 to June 2010

Staff member of the *Pervasive Innovation Lab*, chartered to incubate next-generation technologies and products for the Data Integration division. Personally responsible for design, research, and development for Internet-enabled products and services, reporting directly to CTO.

Designed and implemented Java library to connect real-time event engine (ESPER) to Hadoop/HBase storage through the Pervasive Data Rush parallel processing framework.

Designed and implemented website and services to allow self-service purchase and licensing of “single purpose, single seat” versions of the high-end enterprise data integration toolset. Implemented in PHP using Drupal CMS.

Performed numerous technology development projects and experiments, including prototypes of “data as a service” system (Java, Ruby, Groovy), dynamic web-based product configurator (PHP, Javascript), and Linux filesystem tuning for a petabyte multi-core benchmarking system.

Metadot, Austin, TX

Contract Developer, January 2006 to October 2006

Lead designer for a helpdesk “trouble ticket” management system, operated as a hosted web application, implemented in Ruby on Rails.

BroadQ, Austin, TX

Contract Developer, June 2005 to December 2005

Supported development of a streaming media application running on a game console. Set up GNU toolchain for cross-development under Linux for a MIPS target environment. Configured and profiled Linux kernels.

Veritas Software, Austin, TX

Contract Developer, June 2004 to May 2005

Designed and implemented standalone Linux environment for system recovery product, integrated into *Veritas Net Backup*, including media and network boot. Implemented localization utilities and routines. Additional development (portable C++ with embedded Sybase) for HP-UX, Solaris, AIX, and Windows platforms.

Previous Experience

- Mar 2001 – Jun 2004, **Unicom Systems Development**, Austin, TX. Owner, provided contract development services
- Mar 2000 – Feb 2001, **Covad Communications**, Austin, TX. Principal Engineer, managed Austin design facility
- Jan 1999 – Mar 2000, **Laser Link Communications**, Austin, TX. Staff Engineer, managed Austin design facility. Startup acquired by Covad Communications in Mar 2000
- Jan 1998 – May 1999, **The University of Texas at Austin**, Austin, TX. Adjunct Lecturer in Graduate School of Library and Information Science
- Nov 1995 – May 1996, **Deja News**, Austin, TX. System Administrator for one of the earliest Internet search engines
- Dec 1990 – Oct 1995, **Unicom Systems Development**, Austin, TX. Owner, provided Unix/Xenix business support services
- Mar 1986 – Nov 1989, **Dallas Semiconductor**, Dallas, TX. Senior Systems Engineer, Test Engineer, Telecommunication Products
- Aug 1982 – Mar 1986, **Intel Corporation**, Santa Clara, CA. Senior Test Engineer, Product Engineer, Microprocessor Division

Education

- **Cornell University**, Ithaca, NY. Bachelor of Science in Electrical Engineering, 1982
- **The University of Texas at Dallas**, Dallas, TX. Graduate School of Computer Science, attended 1988-1989

/etc

- Active contributor to the open-source community. Recent examples:
 - **findit nearby** – Portable mobile app and web service to locate closest features (library, voting place, etc.) in open government datasets. Uses Javascript, jQuery, Google Maps API, PostGIS, PostgreSQL, Ruby. <http://nearby.webatx.us/>
 - **wp-spamspan** – Word Press plugin to protect email addresses against spam harvesters.
 - Portfolio of open-source projects published at: <http://www.unicom.com/sw>
- Vice chair of the *City of Austin Community Technology and Telecommunications Commission*. Appointed by Austin City Council members to advise on community technology issues.
- Recognized three times in *Austin Chronicle* annual critics poll for various projects: *Best Usenet Watchdog and Helpful Guy*, 1997; *Best Austin Weblog*, 2003; *Best Austin Movie Blog*, 2011.
- Nominated for *Dewey Winburne Community Service Award* at SXSW 2005 for *Save Muni Wireless*, which stopped legislation to outlaw community wireless networks in Texas.