MICHAEL B. KENNEY

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SOFTWARE ENGINEER

Well-rounded and goal oriented professional software developer with fifteen years experience planning, developing and implementing a wide variety of solutions for both large corporations and small businesses. Specialties include designing both technical and non-technical solutions to meet all types of business needs, crafting and implementing processes and leading teams to deliver quality software. Interested in a software development position that makes use of skills developed over years of solving complex real-world problems.

STRENGTHS

- Analytical and detail oriented with strong object oriented and procedural programming skill sets.
- Extensive code maintenance experience.
- Excellent communication, time management, and problem resolution skills.
- Comfortable with demanding timelines on both large and small projects.
- Proven work ethic both independently and as part of a team having been successful in both telecommuting and co-located environments for many years.

EXPERIENCE

Return Path, Inc., Broomfield, CO – http://www.ReturnPath.net/
Senior Software Engineer   2011 – Present

Designed and built several highly interactive Ajax applications for both internal and external customers. Worked with continuous integration and deployment systems consisting of git, Gerrit, Jenkins and custom services including automated unit and Selenium testing in an Agile environment.

- Implemented highly interactive customer facing and internal web interfaces in PHP and Javascript with Oracle and Hbase (via Thrift) backends utilizing data from Pig map-reduce jobs.
- Researched network access and data scraping patterns to identify potential bad actors targeting our systems or products utilizing network logs stored in a large Apache Hadoop cluster via HiveQL.
- Developed various Perl data parsers to create Oracle load-files from map-reduce output.

Point of Reference, Inc., Denver, CO – http://www.Point-of-Reference.com/	2007 – 2011
Senior Engineer / DBA	

Built and managed an internal development team. Evaluate and improve product security and stability. Ensure high availability of the primary product, a feature rich SaaS sales enablement platform. Manage and develop against a large (325,000+ line) PHP codebase and all related development projects including application architecture, user interface design, database schema development, development cycle scheduling, use-case requirement development, testing procedures and product deployment. System administration duties for public-facing and internal production, development and backup servers (RedHat / Gentoo Linux) including all database, web, version control, ftp, email and reporting services.

- Installed and maintained 8 Linux (RedHat / Gentoo) servers including all configuration and installation of software.
- Managed complex server configurations including public key authentication, custom LAMP stack, data replication and archival, public FTP services, automated application deployment, etc.
- Designed and implemented a streamlined keyword search engine with advanced filtering capabilities for highly complex data hierarchies increasing search speed by a factor of six.
- Designed and implemented automated data import tools to work with client provided XML, tab-delimited and comma-separated data feeds.
- Worked directly with clients and vendors on varied data integration projects including Salesforce, Siebel and Kportal as well as home-grown data stores (generally Excel, Access or SQL databases).
- Developed and maintained complex PHP and Apache configurations as well as integration with Linux system and third-party utilities such as Poppler, lynx, perl's Spreadsheet::ParseExcel, Antiword and more.
- Implemented the OWASP Enterprise Security API to secure code against malicious input and other security vulnerabilities such as cross-site scripting and code injection.
- Designed and implemented a dynamic PDF generator built on the Zend_Pdf library.

WebBedlam.com Web Application Development, Fort Collins, CO – http://www.WebBedlam.com/	2005 – 2007
Owner / Operator	

Created WebBedlam.com, a web software development company specializing in content management systems, user interface design, data delivery systems and website design solutions.

- Designed and developed a secure content management system for Denver mayor John Hickenlooper's office, successfully facilitating communication between his Infrastructure Priorities Task Force and the Denver community.
- Designed many successful capture and web pages such as Mortgage Awards, Home Income Awards and Style & Luxury including database and code development and automated lead delivery to allow clients to follow up on new leads in real time.
- Created new data distribution technologies to facilitate a real-time approach to remote data management for the LeadSender lead distribution network creating an entirely new product and lucrative revenue source for the company.
- Delivered contact forms, interactive order forms, secure user registration systems, custom database schema and interface design, graphic design, CAPTCHA implementation, PayPal integration and much more.
- Conducted independent development research projects including advanced content management and creation solutions, P2P collaboration networks and intelligent UI dynamics.

PhoneBase Research, Inc., Fort Collins, CO – http://www.PBResearch.com/ **Manager, Data Services**	2003 – 2006

Department head managing a close-knit team of full time programmers tasked with implementing questionnaires in our various collection systems and providing nationwide support to our call and data centers.

- Coordinated corporate and department goals increasing and maintaining quality inter-departmental communications fostering a productive team atmosphere between the Data Services, Client Services and Data Collection departments.
- Oversaw nationwide technical support to all departments implementing training and processes that allowed a reduction in support needs and an increase in self-support capabilities, reducing overall technical support hours by 50%.
- Developed new processes and techniques to increase productivity and product quality increasing product output by 400% without increasing the overall employee workload.
- Managed and scheduled all data collection projects ensuring timely delivery of tabulated data.

PhoneBase Research, Inc., Fort Collins, CO – http://www.PBResearch.com/ **CATI / Software Developer**	2000 – 2003

CATI (Computer Aided Telephone Interview) developer responsible for coding, testing and implementing data collections projects on tight schedules. Also responsible for various software development and maintenance projects using Visual Basic/VBA, PHP, MySQL and shell scripting in both Windows and Unix/Linux environments. Installation and support of large telephony systems. Network installation, support and maintenance for regional call centers and central offices. PC hardware and software installation and support for all locations.

- Successfully provided nationwide technical support to three outbound call centers totaling over 500 employees enabling projects to finish on time and on budget.
- Developed custom reports and applications using various languages and techniques to remove redundancy, increase efficiency and streamline internal processes.
- Developed and implemented complex and detailed campaigns for many high-level clients including Nintendo, Washington Mutual and Texas Healthcare Systems with a very high level of client satisfaction.

ADDITIONAL EMPLOYMENT

PhoneBase Research, Inc., Fort Collins, CO – http://www.PBResearch.com/ **Call Center Supervisor**	1999 – 2000

Supervise a call center of 75 outbound interviewing lines conducting research on 5 – 15 projects simultaneously with a staff of 200+ employees. General HR duties including staffing, conflict resolution, disciplinary action. Monitoring of overall production rates and interview quality including data validation. Manage call-center scheduling, inter-department communication, level 1 trouble resolution and customer conflict resolution.

PhoneBase Research, Inc., Fort Collins, CO – http://www.PBResearch.com/ **Data Collections Agent**	1998 – 1999

Conduct professional interviewing of top executives in varied industries. Conduct customer service and customer satisfaction interviews. Monitor data quality and interview relevance. Validate customer responses to ensure data quality.

TECHNICAL SKILLS

Computer Languages: PHP, JavaScript / Ajax, SQL, PL/SQL, Java, Perl, Visual Basic / VBA, C++, Shell Scripting (Unix/Linux/Windows), ACS-Query, Quancept, XML

Software: Hadoop / Hive / Hbase, Windows (98/2000/XP), Apple (OS 9/X), Linux (Gnome/KDE), command line interfaces (OS X / Linux / Windows), Office applications (Word, Excel, Outlook, OpenOffice, etc.), image manipulation and editing (Photoshop, Gimp, etc.), integrated development environments (Zend Studio, Visual Studio, etc.), compilers (Bloodshed Dev, XCode, GCC), project flow diagrams (OmniGraffle, FreeMind), SSH/SCP and similar, LAMP environments, VPN, data conversion / tabulation (DBMS copy, SPSS Statistics v5 – 13), all major web browsers, VMware/Parallels emulation, DNS/Bind, mixed (Linux / Windows / OS X) network environments, development frameworks (Zend Framework, jQuery), network shares (SAMBA), version control (CVS/SVN/Git), continuous integration (Gerrit/Jenkins), etc.

Additional Skills: Linux server administration, database schema design, database administration, application architecture and design, Apache HTTP server administration, OS X/Linux/Windows desktop support