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Zachary P. Kotlarek

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Education:

Master of Engineering in Information Assurance
[Iowa State University](#)

Master of Engineering in Computer Engineering
[Iowa State University](#)

Master of Business Administration
[Iowa State University](#)

Graduate Certificate in Information Assurance
[Iowa State University](#)

Bachelor of Science in Computer Engineering
[Iowa State University](#)

High School Diploma
[Holmen High School](#)

I have at least 4 years experience with all of the following:

Languages:

Perl, PHP, C, SQL, C++, Java, HTML, JavaScript

Environments:

Macintosh OS, MS Windows, Linux, FreeBSD, *NIX, TCP/IP networking, AppleTalk networking

And Programs:

PostgreSQL, MySQL, Asterisk, Apache, openLDAP, Postfix, Samba, QEMU, VMWare, gcc, LaTeX

Computer Experience:

I have considerable expertise in Linux, including the design and maintenance of my own distribution — [Zinux Linux](#). Zinux is based on the [Linux from Scratch](#) project, but has been greatly customized and extended for my own requirements. Most significantly, I have created an automatic build system that makes from-source installation of the entire OS a simple and speedy process. Zinux includes a complete set of standard Linux tools, a variety of Internet and network servers, and even a live CD for easy installation and emergency use.

I have also contributed patches or other code for several open-source projects including [clamdmail](#), [gmail-ldap](#), and [dovecot](#), (all in C) written several [WoW](#) addons including [AcceptDailies](#), [AutoGroupFriends](#), and [TurnInEverything](#) (all in LUA) and have completed a variety of unpublished personal programming projects such as a hybrid Bluetooth/GPS multi-user [location tracker](#) that includes both web (PHP, PostgreSQL) and BlackBerry (Java) components, and a web-enabled, multi-zone, scheduled, proximity-sensing, weather-aware [thermostat](#) (C, PHP, Perl, Bash, PostgreSQL).

August 2011-Present

[F5 Networks](#)

Seattle, WA

Software Engineer III

At F5 I work on the Rapid Development Team supporting and developing for current and historical versions of the TMOS platform and various other F5 products. My typical duties include both code and configuration-based solutions for field-discovered issues with deployed systems, bug fixes, and new feature development.

2006-August 2011

[Dice, Inc.](#)

Urbandale, IA

Integration Engineer

As an integration engineer for Dice I have performed a variety of programming tasks, including the specification, design and implementation of both internal and external monitoring programs, web spiders to collect job postings and sales leads, and many smaller projects across almost all departments. My work is primarily in Perl, but often includes projects in PHP and SQL, and sometimes in Java and C. I make daily use of many web technologies including HTTP transactions, SOAP, and JavaScript. I have also provided both maintenance and new development for [ClearanceJobs.com](#) and [JobsInTheMoney.com](#), including new interactive and batch job loading interfaces via SOAP and email. In this position I supervise several part-time developers.

2002-2011

[Cynic by Trade, LLC](#)

La Crosse, WI

President

In 2002 I created a computer consulting company to provide comprehensive technology support to small business. We provide computer sales and service, server, network, and end-user support, and custom programming, integration, and automation services — essentially the same services that an in-house IT and development staff would provide, but without the ongoing expense of full-time employees. In this position I directly manage 1 full-time and 2 part-time employees.

2005-2006

[Palisade Systems, Inc.](#)

Ames, IA

Software Engineer

As a software engineer for Palisade Systems I continued my contributions to the company's line of network security products, including ScreenDoor and PacketSure. I designed and coded many parts of the products' configuration and reporting interfaces in C, Perl, PHP,

Flash, HTML and SQL, and assisted with testing and debugging of the products as a whole. I also designed and maintained several data tracking and integration systems for Palisade's internal use in manufacturing, marketing and accounting.

2003-2005 [Palisade Systems, Inc.](#) Ames, IA

Intern

In this position I contributed to the design and implementation of network security products including PacketHound, ScreenDoor, FireBlock, and SmokeDetector. I wrote and modified programs in C and Perl, both for the core network product and the user and OS interfaces. I also created and administered several databases and interfaces for customer and product tracking.

2002-2005 [Iowa State University, Music](#) Ames, IA

Systems Administrator, Webmaster

My primary duties in this position include the design and maintenance of a [large website](#), computer and office technology support for faculty and staff, and administration of all departmental servers. I also oversee the department's enterprise-integrated computing labs and their support staff.

Work Experience:

June 2003-November 2003 [CyRide](#) Ames, IA

Transit Driver

In this position I obtained my class B commercial driver's license and operated transit buses up to 42' in length.

2000-2003 [Iowa State University, Horticulture](#) Ames, IA

HTML Assistant

My primary duties in this position included the design and maintenance of a [large website](#) as well as computer and office technology support for faculty and staff.

Summer 2002 [La Crosse Area Convention & Visitor's Bureau](#) La Crosse, WI

On-Site Representative

My primary duties in this position included telephone and in-person assistance of La Crosse area visitors and the general public, in relation to activities, lodging, dining, and many other concerns.

Summer 2001 [The Trane Company](#) La Crosse, WI

Summer Engineer

In this position I was a member of the control systems design team for a new air conditioner control platform. My primary duties included drafting and execution of verification plans for both software and hardware components of the control system.

Summer 2000 [The Trane Company](#) La Crosse, WI

CenTraVac Checker

In this position I was a member of the CenTraVac production team. My primary duties included locating and transporting all CenTraVac components into the assembly room.

1999-2000 [Wal-Mart](#) Onalaska, WI

Floor Clerk

My primary duties in this position included sales, merchandizing, and customer assistance.

1998-1999 [Happy Joe's](#) Onalaska, WI

Pizzamaker

In this position I prepared and served pizzas and other foods, and performed various cleaning duties.

1997-1998 [Apac Teleservices](#) La Crosse, WI

Customer Service Representative

In this position I was a member of several phone sales and customer service teams. My primary duties included sales, data entry, and customer assistance.

1996-1997 Lodestar Publications Holmen, WI

Office Assistant

In this position I performed various clerical duties, including typing and proofreading, and helped support their office technology.

Volunteer Experience:

I was founder and leader of The Empire from 1997 to 2003. The Empire is a service-oriented youth group in the La Crosse, Wisconsin area. We performed various fundraising and community service tasks and provided safe activities for area teens. In addition to my involvement in and organization of The Empire's social and service activities, I maintained several electronic services for the group.

- [National Merit®](#) Scholar. 2000

Awards & Activities:

- Member of [IEEE](#), 2001-2003
 - Member of the [Iowa Statesmen](#), 2000-2004
 - Member of the Iowa State University Hockey Pep Band, 2002-2008
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Employer References:

Nancy Fee
Principal
3P Administrators

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Dave Rush
Development Manager
Palisade Systems, Inc.

400 Locust Street, Suite 700
Des Moines, IA 50309

Phone: (515) 727-0803
Email: drush@palisadesys.com

Doyle Groves
Integration Engineering Manager
Dice

4101 NW Urbandale Dr
Urbandale, IA 50322

Phone: (515) 313-2143
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Personal References:

To protect the privacy of my references, their contact information is available only upon request.