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# Zachary P. Kotlarek

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**Master of Engineering in Information Assurance**  
[Iowa State University of Science and Technology](#)

Expected Completion: December 2011

**Master of Business Administration**  
[Iowa State University of Science and Technology](#)

**Education:** **Graduate Certificate in Information Assurance**  
[Iowa State University of Science and Technology](#)

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

**High School Diploma**  
[Holmen High School](#)

I have at least 5 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, Apache, qmail, Postfix, openLDAP, gcc, Samba

**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 [clamdmil](#), [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[AcceptDailies](#), [AutoGroupFriends](#), and [TurnInEverything](#) (all in LUA) and have completed a variety of unpublished personal programming projects such as a hybrid BlueTooth/GPS multi-user [location tracker](#) that includes both web (PHP, PostgreSQL) and BlackBerry (Java)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).

July 2002-Present

[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 staff would provide, but without the expense of dedicated staffing. In this position I directly manage 1 full-time and 2 part-time employees.

May 2006-Present

[Dice, Inc.](#)

Urbandale, IA

**Integration Engineer**

As an integration engineer for Dice I have performed a variety of programming tasks, including the design and implementation of both internal and external monitoring programs, web spiders to collect job postings and sales leads, and many smaller projects. My work is primarily in Perl, but often includes lesser amounts of PHP, HTML, JavaScript and SQL. I have also provided both maintenance and new development for [ClearanceJobs.com](#) and [JobsInTheMoney.com](#), including new job loading interfaces via SOAP and email.

June 2005-May 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.

November 2003-June 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.

March 2002-June 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.

June 2003-November 2003 [CvRide](#) 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.

**Work Experience:**

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

**Pizzemaker**

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.

**Awards & Activities:**

- [National Merit®](#) Scholar, 2000
- Member of [IEEE](#), 2001-2003
- Member of the [Iowa Statesmen](#), 2000-2004
- Member of the Iowa State University Hockey Pep Band, 2002-2008

Larry Curry  
Facilities Manager

Dave Rush  
Development Manager

Doyle Groves  
Integration Engineering Manager

**Employer  
References:**

Department of Music

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**Personal  
References:**

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