

# Nate Aune

49 Burbank St. #1  
Boston, MA  
U.S.A.

Home Phone: 617-848-9067  
Email: [natea@jazzkarta.com](mailto:natea@jazzkarta.com)

## Professional Objective

To use my IT skills to help businesses and organizations enhance their Internet presence and leverage open source technologies wherever possible.

## Web development

Scripting languages : PHP, ASP, Cold Fusion, vbScript, Javascript , Zope Page Templates.

Visual design : Handcode HTML, CSS, Adobe Photoshop, Adherence to web standards ( [W3C](#)).

Multimedia : Audio: MP3, Real, Windows Media, OGG, Video: Quicktime, digital video editing using iMovie, Final Cut Pro, Flash.

## IT Project Management

Requirements gathering : research and evaluation, translating user needs into technical specifications, writing detailed requirements doc.

Budgeting and strategic planning : evaluating IT solution offers, producing cost/benefit analysis studies, developing Open Source strategy.

Iterative software development : scheduling and setting milestones, submitting detailed bugs reports , responding to and troubleshooting issues.

Advocacy and promotion : producing brochures and press releases, contributing to open source community, networking at developer sprints and conferences.

Training and presenting : developing end-user training materials, presenting demos of software, training IT staff on developer tools.

Documentation and testing : documenting all efforts in public [wiki](#), maintaining a testing and [bugs database](#), coordinating testing priorities.

## Programming skills

General experience : object oriented programming, concurrent version control ( [CVS](#), [Subversion](#)), debugging, extreme programming ( [XP](#)).

Languages : [Python](#), [Perl](#), [PHP](#), Javascript, XML/XSLT, ASP, gcc, make.

Editing / IDE environments : [BBEdit](#), [WingIDE](#), [Eclipse](#), vim, emacs , UltraEdit, Dreamweaver.

Database development : [MySQL](#), [PostgreSQL](#), [Structured Query Language \(SQL\)](#), [ZODB \(Zope Transactional Database\)](#).

## Unix, Linux system administration

Unix distributions : [Debian](#), [FreeBSD](#), [MacOS X](#), [Redhat](#), [Suse](#), [CentOS](#), [Ubuntu Linux](#).

Web servers : [Apache](#), [awstats](#), [Zope](#).

Email : [postfix](#), [gmail](#), [sendmail](#).

Backup : rsync, rdiff-backup, tar, cron.

Interoperability : [Samba](#), [MacOS X](#).

Networking : domain name servers (DNS), registering domain names, installing netcard drivers.

## Plone Content Management System

Zope Server administration : Configuring Zope to work behind Apache ( [Zope](#)), Automating database pack and backup operations.

Development : Customizing Plone skins ( [Plone](#)), Zope Page Templates (ZPT), Python scripts.

Multilingual : Translation workflow ( [DCWorkflow](#)), Bilingual content (LinguaPlone, I18NLayer, PlacelessTranslationService).

Systems integration : LDAP, Active Directory ( [LDAPUserFolder](#)).

Migrations : Migrating several Plone 1 site to Plone 2, Coordinating a huge data migration from Microsoft Sharepoint to Plone 2.

Other products : Workflowable members ( [CMFMember](#)), WYWIWYG Editor ( [Epoz](#), [Kupu](#)), Mailing list ( [MailBoxer](#)), Advanced search ( [TextIndexNG](#)), Bug collector (CMFCollector, [PloneCollectorNG](#)).

## Employment History

### Principal / Independent Contractor

*Jazkarta Consulting* ( Boston , MA )

September 1999 -Present

As a freelance web developer, I assisted the following organizations with improving their web presence, working both remotely and on-site.

Projects:

- [System for Adult Basic Education Support \(site still under construction\)](#) , Boston, MA: Developing a web calendaring application and registration system in Plone for this local non-profit.
- [US Climate Network \(site still under construction\)](#) , Washington D.C.: Developing a workgroup tool in Plone to better facilitate collaboration among environmentalists and policy makers around the country.
- [City of Lowell](#) , Lowell, MA: Worked with the website administrator to improve performance on this highly traffic Plone site.
- [Audiofy Corporation](#) , Philadelphia, PA: Assisted this business establish a more streamlined e-commerce application using Plone.
- [Give Kids the World](#) , Kissimmee, FL: Further developing this highly visual site which has a Flash front-end and Plone backend.
- [Synergy Media Group](#) , Denver, CO: Developing ArtistCentre.com, a community website for independent musicians and their fans. First version was built using Postnuke, and the site is currently being migrated to Plone.
- [Aberdeen Recording Studios](#) , Aberdeen, SD: Migrated site content from static HTML to Plone content management system. Trained staff on how to use Plone to add and update content and photos to the site.
- [Bostonjazz.net \(site in beta\)](#) , Boston, MA: Designed and developed web site from concept to implementation. Purpose of site is to facilitate collaboration among

- the Boston jazz community and to help musicians promote their music online.
- **[Continuum Consulting](#)**, Newton Centre, MA: Built a customer registration product using Archetypes to be used on a client's Plone site.
  - **[Alset Inc.](#)**, Palo Alto, CA: Built a website registration product using Archetypes to be used on the FreeBandWidthProject.com Plone site.
  - **[Partsearch Technologies](#)**, New York, NY: Developed B-to-B e-commerce site using ASP, VB, MS SQL Server 2000, MS Commerce Server, Windows Scripting files and NT scheduled tasks.
  - **[JadeTree Records](#)**, Wilmington, DE: Modified existing shopping cart application to store order information in a MySQL database instead of sending as an email. Developed web-based interface to administer orders including tools to export orders to a text file, notify customer via email, add customer to mailing list, and send out mass e-mail to all customers.
  - **[Context Studios](#)**, Williamsburg, NY: Provided small business consulting services (including marketing/promotion, accounting and e-commerce) to this premier recording studio in New York City. Re-designed web site and implemented online sales of videos.
  - **[Madstone Films](#)**, New York, NY: Set up Linux server and configured Samba (to allow Linux server to act as Windows NT file server), researched, installed and configured groupware and scheduling software. Developed web site MadstoneMedia.com to collect email addresses of visitors to the web site and store into a database. Developed One Day Crossing site to promote short film nominated for academy award.
  - **[CertifyMe](#)**, Phoenix, AZ: Developed web-based database-driven exam certification system using PHP. Designed MySQL database containing study material, exam questions and answers, student records and payment information. Built e-commerce component and real-time credit card authorization using Authorize.net.
  - **[ChurchInnovations](#)**, Minneapolis, MN: Installed LAN and configured Internet connectivity with DSL. Migrated various customer lists into one integrated contact management system using ACT! 2000. Set up DSL modem to allow employees to connect remotely to Quickbooks server. Converted books (in Pagemaker, QuarkXPress) to Adobe PDF for electronic sales online. Researched low-cost e-commerce solutions that integrate with existing accounting software.

### **IT Manager / Web developer**

[Learning Lab Denmark](#) ( Copenhagen , Denmark )

January 2002 - September 2004

#### Projects:

- Website migration: coordinated the migration of old Sitecore-based website to new Plone-based website
- Website development: planned and executed the development of [www.ild.dk](http://www.ild.dk)
- IT Systems: manage internal IT team of 6 staff persons.
- Project manager: daily contact with external Norwegian developers remotely via IRC

#### Achievements:

- Successfully migrated existing website from Windows to Linux, external to internal hosting and proprietary CMS to open source Plone CMS
- Launched a dynamically-driven website in 2 months from start to finish
- Installed, configured and built from scratch a production-ready web server running Debian Linux, Apache, Zope
- Recruited, hired and trained 2 full-time IT staff and 3 student helpers

### **Web Programmer / Unix distribution tester (part-time position)**

[Talentsoft Inc.](#) ( Minneapolis , MN )

January 2000 - October 2000

## Projects:

- Installed and configured Unix databases: MySQL, PostgreSQL.
- Configured ODBC software on Linux to connect to remote Microsoft SQL database server.
- Developed shell scripts to automate install of WebPlus software on various Unix distributions.
- Troubleshooting different Unix platforms: Solaris, Linux, FreeBSD.
- Installed and configured Apache and iPlanet web servers.
- Project lead on creation of Talentsoft Developers web site: [developer.talentsoft.com](http://developer.talentsoft.com)

### **Web programmer (summer position)**

[Ciceron Interactive](#) ( Minneapolis , MN )

June 1999 - August 1999

## Projects:

- **[CareProviders of Minnesota](#) and [CareLinkUSA](#) :** Developed tools to add/edit/delete newsletters, jobs, events, press releases, announcements. Created online educational events registration system and tools to modify internal Microsoft Access database.
- **[CommWorks](#) :** Developed WebWorks, a password protected extranet with user/manager/admin access levels and login screens. Converted an in-house VB app to a Web-based app using ASP and Microsoft SQL server. Created tools to add/edit work orders, manage locations, track sales. Extensive use of SQL stored procedures.
- **Transforming Schools Consortium:** (password protected intranet): Developed an online gradebook system, allowing teachers to enter grades for each class and student via any web browser. Involved re-designing MS Access database front-end and converting to a Web-based ASP app.

### **Web developer (summer position)**

*SoftNordic A/S* ( Copenhagen , Denmark )

May 1998 - July 1998

Built a product registration system for Quicken Denmark, the Danish version of Quicken, using ASP and MS Access database (later upgraded to MS SQL); Designed web site structure.

### **Webmaster, System Administrator, Technical Support (full-time position)**

[Denmark's International Study](#) ( Copenhagen , Denmark )

August 1995 - July 1997

## Projects:

- **Web site designer:** consulted with staff to create Web site content plan; designed layout and file hierarchy, converted course syllabi to HTML, scanned photos and created photo tours, optimized images from PhotoCD.
- **Web site manager:** updated outdated links and maintained consistency. Considered new tools to improve site maintenance processes. Ensured reliable day-to-day operation and fine-tuned Web server performance. Monitored usage/hits and generated demographic reports for audience analysis.
- **Web-Database programmer:** developed a forms-based interface and wrote DBML code to search Microsoft Access database for coordinators and former students. Improved alumni search facility and re-designed system to work with FileMaker Pro database using Lasso.
- **Windows NT system administrator:** day-to-day operation of server including backups, users and groups administration, Internet services (Web, FTP, email servers). Coordinate DNS records.

### **Webmaster, System Administrator (undergraduate fellow)**

[Pacific Lutheran University Computer Science Department](#) ( Tacoma , WA )

April 1994 - December 1994

Projects:

- Designed and developed the first Web site at PLU (Computer Science department pages)
- Created the "PLU Virtual Tour" as a special course project; Digitized video images of campus
- Installed, configured and administered HTTP, FTP, PPP and email services on Linux server

### **Internet Committee Student Representative (non-paid position)**

[Pacific Lutheran University Internet Committee](#) ( Tacoma , WA )

April 1994 - December 1994

First and sole student representative on PLU Internet Committee; Directed initial development phase of campus-wide information system; Voiced student concerns regarding information technology issues

### **Software Quality Assurance Engineer (summer position)**

[Adobe Systems, Inc.](#) ( Seattle , WA )

July 1994 - September 1994

Lead tester for Aldus Table; Maintained database of bug fixes; Developed test plan and scripts

### **Computer Programmer (summer positions)**

[MarkHealth Systems, Inc.](#) ( Minnetonka , MN )

June 1991 - August 1993

Designed, coded, tested, and debugged custom applications using Microsoft C, Informix SQL, Unix C, shell scripts, awk; Created Unix-based software version control system to automate updates.

## **Education**

- **Diploma in Jazz Performance and Composition** , September 1997 - May 1999  
[Berklee College of Music](#) ( Boston , MA )

Overall GPA: 3.77 out of 4.00

Subjects: Private saxophone lessons, Harmony, Ensembles, Improvisation, World Music Percussion.

- Recording studio experience
- performed with musicians from all over the world
- Berklee U.S. Scholarship
- Berklee Grant

- **Study Abroad in Denmark** , January 1995 - May 1995  
[Denmark's International Study Program](#) , Copenhagen, Denmark

Subjects: Soren Kierkegaard and Existential Philosophy, European History, Intensive Danish Language.

- Lived with a [Danish host family](#) and with [Danish students in kollegium](#)
- Studied Danish at [Studieskolen](#)
- Extensive solo travel throughout Europe including Norway, Sweden, Finland, France, Germany, Austria, Switzerland, Italy, Spain, Portugal, Holland, Poland, Hungary, Estonia and Russia.

- **BA in Computer Science** (minor in Music ) , September 1991 - December 1994  
[Pacific Lutheran University](#) , Tacoma, WA

Overall GPA: 3.75 out of 4.00

Subjects: Operating Systems, Computer Language Concepts, Computer Graphics, C Programming Language, Pascal.

- President, [PLU Computer Club](#)
- Radio Station operator, [KPLU NPR and Jazz](#)
- Environmental Coordinator
- Lead Tenor Sax, [Jazz Ensemble](#)

## Academic Honors and Awards

- **Computer Science Undergraduate Fellowship** , [Pacific Lutheran University Computer Science Department](#) , 1994 - 1995
- **Computer Science Scholarship Recipient** , [Pacific Lutheran University Computer Science Department](#) , 1993 - 1994
- **Who's Who Among American College and University Students** , [Who's Who Among Students](#) , 1995
- **Arete Society** , [Arete Society](#) , 1995

## Conferences, Presentations, Sprints

- **Plone Conference 2005**  
[Plone Conference 2005 website](#) ( Vienna , Austria )  
September 2005  
Presented a talk "Building artist community websites with Poseidon UML and ArchGenXML. Organized a Plone multimedia developer sprint to improve the multimedia capabilities of Plone.
- **Plone Symposium 2005**  
[Plone North American Regional Symposium](#) ( New Orleans , LA )  
July 2005  
Presented a talk "ArchGenXML / UML and Plone"
- **EuroPython 2005**  
[EuroPython conference website](#) ( Gothenburg , Sweden )  
June 2005  
Presented a talk about Plone4Artists
- **LinuxWorld Expo 2005**  
[LinuxWorld Expo website](#) ( Boston , MA )  
February 2005  
Attended the LinuxWorld Expo and organized a gathering with the local Python user group to meet members of the Plone Foundation: Paul Everitt, Joel Burton, Alexander Limi.
- **2nd Plone Conference 2004**  
[Plone.org Conference page](#) ( Vienna , Austria )  
September 2004  
Attended the 2nd annual Plone Conference and received valuable training in the Plone content management system. Also gave a lightning talk about the Plone4Artists project.
- **Plone training**  
[Plone Solutions](#) ( Copenhagen , Denmark )  
June 2004  
Received on-site training in Plone by one of the leading Plone developers, Helge Tesdal.

- **EuroPython 2004**  
[EuroPython Society](#) ( Gothenburg , Sweden )  
June 2004  
Attended talks and gave lightning talk about the Plone4Artists project.
- **Snow Sprint**  
[solution2u.net](#) ( Schruns-Tschagguns , Austria )  
February 2004  
Participated in developer [sprint](#) in the Austrian Alps, gave a talk on building a multilingual website using Plone and introduced the Plone4Artists project.
- **1st Plone Conference 2003**  
[plone.org Conference page](#) ( New Orleans , LA )  
October 2003  
Participated in the first annual Plone conference and gave a lightning talk about my idea for a Plone package for artist community groups.
- **Castle Sprint**  
[bluedynamics.org](#) ( Schloss Goldegg , Austria )  
September 2003  
Developer [sprint](#) in an Austrian castle.
- **Educational Sprint**  
[The Bertelsmann Foundation](#) and the [German Zope User Group \(DZUG\)](#) ( Paderborn , Germany )  
September 2003  
Developer [sprint](#) exploring the use of Plone for educational purposes.

## Interests

- Travel . European rail travel and hostelling, USA Roadtrip, New Zealand backpacking
- Jazz and improvised music
- Technology . Plone, UML, RSS, WiFi, blogging, mobile gadgets, Linux, Open Source, Macintosh, social networking

## References

### **Available upon request.**

This resume can be found in HTML, TXT, PDF, RTF formats at <http://www.nateaune.com/resume/> It was generated using the [XMLResumeLibrary](#) XML/XSL resume templates. August 2005