

## Background

- Since 1985, have been a software developer responsible for the entire life cycle of almost every project.
- Since 2001, have developed web sites and web applications; currently use Java, PHP, JavaScript, jQuery, jQuery UI, CSS, AJAX and Drupal for web projects.
- Created web sites from Adobe Photoshop PSD file mock-ups.
- Since 2009, have developed websites and applications with the content management system (CMS) / framework of Drupal including custom modules and custom theme & hook functions.
- Since 2011, have used Subversion with SmartSVN for all open-source and client projects.
- Since 1996, have used SQL, stored procedures & functions with databases such as PostgreSQL, Microsoft® SQL Server 2005, FairCom® Server, MySQL®, Oracle®, Apache Derby and Microsoft Visual FoxPro.
- Substantial work with GIS (geospatial information system), spatially-enabled database servers and Google™ Maps API.
- Since 2006, have developed Java servlets for Apache Tomcat, MySQL and PostgreSQL running on Linux.
- Since 1996, been using object-oriented programming (OOP) with languages such as Visual FoxPro, Delphi, C++, Java, C# and PHP.
- Since 1999, have installed / configured / managed Linux (Red Hat®, Ubuntu, CentOS) servers which ran services such as Apache, MySQL, PostgreSQL, PHP, Java, Tomcat and JasperReports.

## Projects

- Developer of *BeoZip*®, an open-source project that can be viewed at <http://beozip.sourceforge.net/>.
- Developer/co-creator of *PolyJen*®, an open-source project that can be viewed at <http://polyjen.sourceforge.net/>.
- Developer of *Trash Wizard*®, an open-source project that can be viewed at <http://trashwizard.sourceforge.net/>.
- Developer of *BeoBasis*, an open-source library that can be viewed at <http://beobasis.sourceforge.net/>.
- Co-creator/co-developer of *QuickTreat*®, a gas treating preliminary evaluation program that helps a company determine the gas treating requirements for their particular process. This program was used by both national and international customers of Texaco Chemical Company and Huntsman Corporation.
- Developer/co-creator of *PaperLIS*, the analytical laboratory information system for Huntsman Corporation's research laboratory in Austin, Texas.
- Developer of *The Circe Project*, a forecasting application used by Huntsman's Marketing and Production department.
- Over 40 other software applications.

## Awards

- Huntsman Outstanding Innovations; for creation and development of *The Circe Project*.
- Huntsman Outstanding Innovations; for creation and development of *PaperLIS*.
- Texaco Special Innovative Contributions; for creation and development of *QuickTreat*.
- Texaco President's Award Nomination; for creation and development of *QuickTreat*.
- 8 other awards and nominations for outstanding innovations and special contributions.

## Experience

- |                           |                                 |                     |
|---------------------------|---------------------------------|---------------------|
| • Full-time Consultant    | Web Developer                   | Feb 2011 - Present  |
| • Beowurks                | Software Developer / Consultant | Jan 2003 - Present  |
| • Huntsman Corporation    | Software Developer              | Apr 1994 - Jan 2003 |
| • Texaco Chemical Company | Software Systems Engineer       | Jul 1987 - Apr 1994 |
| • Texaco Chemical Company | Chemist / Technical Service Rep | Sep 1985 - Jul 1987 |

## Education

- |                       |   |            |
|-----------------------|---|------------|
| • University of Texas | Bachelor of Science, Chemistry  | Austin, TX |
|                       | 3.82 GPA. Nominated to Phi Kappa Phi Honor Society for graduating top 10% |            |
| • Duke University     | Bachelor of Arts, Chemistry   | Durham, NC |

## **Beowurks**

*Software Developer / Consultant / Owner*

February 1, 2003 – Current

- Develop open-source projects (full life cycle: customer interaction, initial technology assessments, development, integration, implementation, testing, and ongoing support).
- Develop client/server applications using Java and .NET (full life cycle).
- Develop web applications using .NET/JavaScript and PHP/JavaScript/Java/jQuery/AJAX (full life cycle).
- Develop GIS applications using PHP/JavaScript/Java/jQuery/AJAX with Google maps and spatially-enabled database servers.
- Develop and integrate supplemental applications to support third-party applications.
- Develop database systems using PostgreSQL, MySQL, Apache Derby and Microsoft SQL Server.
- Develop content management systems (CMS) using Drupal.
- Provide consultation & guidance for third-party projects.

## **Huntsman Corporation**

*Software Developer*

April 1, 1994 - January 1, 2003

- Developed client/server and PC LAN software
  - Applications developed for accounting, administration, advertising, chemistry, environmental, health & safety, legal, maintenance, medical and Huntsman North America.
  - Developed with C++ Builder, Visual C++, Delphi, Visual FoxPro, and FoxPro for DOS.
  - Used database systems such as FairCom Server on Red Hat® Linux®, Oracle on UNIX and FoxPro on Novell LAN.
- Responsible for full life cycle of each project.
- Provided 24/7 support for the Austin Labs laboratory information system (PaperLIS).
- Supervised technical writer.

### *Awards*

- Huntsman Outstanding Innovations; for program to generate dangerous goods declarations, 2001
- Huntsman's Exceptional Recognition Award; for modifications to Oracle supplemental project, 2000
- Huntsman Outstanding Innovations; for creation and development of The Circe Project, 2000
- Huntsman Outstanding Innovations; for creation and development of Form Beowulf, 1999
- Huntsman Outstanding Innovations; for enhancements of Oracle supplemental project, 1998
- Huntsman Outstanding Innovations; for creation and development of Oracle supplemental project, 1997
- Huntsman Outstanding Innovations; for creation and development of PaperLIS, 1995

## **Texaco Chemical Company**

*Software Systems Engineer*

July 1, 1987 - April 1, 1994

- Wrote programs for IBM PC's/compatibles, Data General MV-20000, and IBM RISC/6000 using Turbo Pascal, FoxPro, CQ/CS, FORTRAN, 80x86 Assembly, and Turbo C.
- Became a system manager for the Data General and the IBM RISC PowerStation.
- Supported the accounting, personnel and legal user groups.

### *Awards*

- Texaco Special Innovative Contributions; for creation and development of The Legal Tracker, 1994
- Texaco Special Innovative Contributions; for creation and development of The Product Dossier, 1993
- Texaco Special Innovative Contributions; for creation and development of QuickTreat®, 1993
- Texaco President's Award Nomination; for creation and development of QuickTreat, 1992
- Texaco Best Quarterly Performance Nomination; for contribution to Thermo, 1989

## **Texaco Chemical Company**

*Chemist / Technical Service Representative*

September 3, 1985 - July 1, 1987

- Developed product information for polyurethane polyols, cross-linkers and catalysts.
- Designed projects and tests for company products and solved scientific and practical problems involving polymer chemistry for customers in the Southeast U.S.
- Supervised the operation of a pilot-scale, polyurethane slab foam machine and the construction of a multi-stream, low-pressure catalyst machine.
- Designed and created programs for polyurethane foam customers using Borland's Turbo Pascal.
- Supervised two technicians.