

# David Oksner

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I am an Application Programmer and System Administrator with attention to detail and a penchant for writing tools to automate tasks. It is common for me to spend only a little bit more time writing a script or crafting a command, gaining repeatability and/or accuracy. I like the feeling of accomplishment when I produce more than would normally be expected with given resources and with less maintenance for the future.

## Professional Experience

### Software Specialist

### Computer And Software Enterprises, Inc (1996-present)

- Software Developer for an Asset-Based Lending System (the Company's flagship product)
  - I participate in all parts of the application's life cycle: design, coding, debugging, quality checking, integration, and support
  - Application is implemented in COBOL
  - Application uses a complex database (Eloquence's TurboIMAGE compatibility interface)
  - Application can accept several input types
    - Proprietary AcuCOBOL client/server windowing interface
    - JavaScript generated HTML form selection
    - XML
    - Proprietary data files
  - Application can produce several output types
    - PDF
    - HTML
    - RightFAX FAX Control Language
    - Proprietary data files
  - Application is managed using a Revision Control System (subversion)
    - I am an in-house expert
    - I designed the repository structure
- System Administration
  - All systems I maintain use Logical Volume Manager (LVM)
  - All name servers I maintain use DJB dns
  - Scripting languages I routinely use
    - bash
    - perl
    - sed
    - awk
  - All mail systems I maintain use Postfix (and externally accessible servers use Sender Policy Framework (SPF) for additional filtering)
  - Network monitoring
    - Most system states are checked using Nagios
      - I've written custom host/service checks
      - I've written custom event handling

- Most system information is graphed using Cacti
  - I've written custom templates
  - I've had to make use of creative information gathering for monitoring non-standard data
- Much of the data gathered for the monitoring systems use Simple Network Management Protocol (SNMP) including SNMPTRAPD and SNMPTT
- Revision Control System (subversion)
  - I maintain the configuration including auto property setting
  - I've created hook scripts for maintaining repository integrity
- RedHat Enterprise Linux versions 4 and 5
  - I've made custom SELinux modifications
  - Xen Virtual Machine
    - Para-virtualized Linux hosts
    - Fully virtualized Windows hosts
  - I wrote and maintain Kickstart automated installation configuration and scripting
- HP-UX version 11i v1, 2, and 3
  - I know many HP-UX specific tools and commands

#### **Database Administrator**

**Zymax Envirotechnology (1995)**

- I designed and implemented a customer database
  - System was built with Microsoft Access
  - System allowed onscreen entry and numerous selection criteria for label printing

#### **Additional Technical Experience**

- ANSI C
- Amateur Radio
  - Technician class, call sign KE6OMS
  - Have used Amateur Packet Reporting System for vehicle locating, especially during sporting events
- MySQL
- Ubuntu Linux

#### **Education**

**California Polytechnic State University, San Luis Obispo**

Bachelors of Science in Computer Engineering

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