

Ken Crawford
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Summary

Results oriented Senior Development Engineer with proven record of innovative solutions in software development and scripting: Strong software problem solving capabilities; demonstrated ability to write modular, efficient, documented, reusable code using PL/SQL, Shell, and Python; highly proficient in EXCEL. Strengths include cost effective, sound solutions to technical problems.

Core Competencies

<ul style="list-style-type: none">• Work well with teams• Relational Database Developer• PL/SQL• Dynamic SQL• ESRI / Spatial Database / Geocoding	<ul style="list-style-type: none">• Work well with clients• ETL• Linux• Python and Shell scripting• EXCEL
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Professional Experience

Full Stack Web Developer

2021 - present

- Developed several websites from scratch
- Experience with numerous web-related tools including mySql, Node Package Manager, Routing, and MongoDB

Personal Sabbatical

2019 - 2021

Continuing Professional Development

- Studying Web Development in a 13-week Rutgers Boot Camp
- Earned multiple program certifications from **Massachusetts Institute of Technology**
- Some travel

Mott MacDonald, Iselin, NJ
Oracle Consultant

2013 – 2019

Integration of Assets for client Utilities into Asset Management System

- Led Team that designed and implemented new **MAXIMO** Asset Management System
- New system allows dynamic field updates to system
- Wrote procedures for **automated assimilation of assets and customer data** into database

Geocoding

- Python scripting for retrieval of geo-coordinates for all utility assets and customers locations
- Designed highly efficient method for snapping coordinates to nearest parcel centroids using ESRI/Oracle
- **Resulted in greater than 90% reduction in processing time**

Develop Complete Process for Client Marketing Research

- Imported address list of prospective customers
- Geocoded addresses
- Spatially queried coordinates to locate closest client service
- Returned results to client-accessible table

Verizon Wireless, Warren, NJ
Programmer/Analyst

2010 - 2013

Maintain 24/7 Online Mobil Device Media Store in Oracle / UNIX Environment

- Merchandise includes Music, Games, Applications and Wallpapers
- Several XML feeds mapped into database daily
- Feeds published into offline database for content verification
- Activated feeds for visibility/availability

DuraSystems Computing Inc. / Stryker Corporation
Mahwah, NJ

2009 –2010

Configuration, backups, Installation Qualification, testing, and **FDA-compliant** documentation of computers used in the production of Orthopedics

Lexis Nexis, New Providence, NJ
Oracle Consultant

2007 –2009

PL/SQL Data Warehouse Development for web-metrics reports

- Proposed and led successful implementation of new architecture for STATS Reports
- Developed Back-End Packages and test modules for Crystal Reports and .NET applications
- **Query drivers dynamically generated** to assure consistent reporting format independent of gaps in database table data

ETL

- Designed/developed process for using WebTrends summary files to verify daily data loads
- Extracted CSV summary files from WebTrends database
- Wrote script that **translates source files** to include filename-related fields; **generates separate sqldr control file** for each source file; **loads files** into database; archives original files
- Wrote package that identifies problems with daily loads based on summary files
- Wrote automated tool for getting statistics on website search terms
- **Output fields dynamically constructed** based on non-NULL input parameters

Professional Certifications and Training

- Oracle 9i Database Administrator Certified Professional
- Sun Certified System Administrator for the Solaris 8 Operating System

Recent **MIT** Certifications (2 courses each)

- Introduction to Computational Thinking and Data Science (using python)
- Quantum Computing Fundamentals
- Quantum Computing Realities

W3Cx Course: JavaScript Introduction

Education

M.S. Physics Worcester Polytechnic Institute, Worcester, MA
B.S.E.E. Worcester Polytechnic Institute, Worcester, MA

Security Clearance

Granted Provisional Security Clearance in 2008
Previously held position with Secret Clearance

References

Provided upon request