

## **JOE BARNETT**

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### **SUMMARY**

Seasoned professional with a customer centered, detail oriented approach; and a record of achievement in technical architecture, programming, database development, configuration management, testing, and systems administration.

### **PROFESSIONAL EXPERIENCE**

#### **ARIZONA STATE UNIVERSITY, TEMPE, ARIZONA (2008 - present)**

DATABASE ANALYST, Space Exploration Resources

Database design, development, and administration; programming; and process automation; across multiple projects including Lunar Reconnaissance Orbiter Camera, and ShadowCam, with a long record of success in the following areas:

- Ensuring high availability and reliability, with no data loss, during periods of normal operations and across major hardware and software upgrades
- Design, development, and administration of spatially and spherically aware databases
- Design and development of programs to provide access to the databases, perform data analysis, and conduct reliability and integrity checks
- Merging differing project and application requirements into a cohesive set of database resources
- Mentoring students and employees specifically in SQL and PL/pgSQL, and also more generally in database theory and practical usage
- Analysis of spatial displacement between historical lunar mission data and then-recent LROC data (2010-2011)

#### **INDEPENDENT CONTRACTOR (2002 - 2009)**

Provided consulting and contract services to clients including America Online, BookLender.com, U.S. Department of Health and Human Services, and others.

- Programming, database design and development
- Systems administration
- Business, security, and technical consulting
- Project management
- Proposal writing

#### **EXIT1, INC., RESTON, VIRGINIA (1999 - 2002)**

SENIOR PROGRAMMER, Web Development

Full and partial life-cycle development of database-driven, web-based applications for corporate, public, and non-profit clients.

#### **AMERICA ONLINE, INC., DULLES, VIRGINIA (1994 - 1999)**

SOFTWARE ENGINEER, Configuration Management

Created and maintained configuration management and software build tools.  
Also served in software test and member services roles.

### **SKILLS**

**Languages:** Perl, Ruby, SQL, PL/pgSQL, PHP, HTML/CSS, VBScript/ASP, JavaScript

**Operating Systems:** Linux, BSD UNIX, MacOS, Windows

**Application Platforms:** Apache, Nginx, PostgreSQL, MySQL, Oracle, SQL Server

**Network/Edge Devices:** Custom firewalls and routers

### **EDUCATION**

#### **ARIZONA STATE UNIVERSITY, TEMPE, ARIZONA (2009 - 2010)**

MAS, Geographic Information Systems

#### **ARIZONA STATE UNIVERSITY, TEMPE, ARIZONA (1987 - 1991)**

BS, Finance