

## MARY EDITH INGRAHAM

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831-706-6400

### *SUMMARY*

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Full stack engineer with deep knowledge of Drupal 6, 7 and 8 web applications. Versatile, detail-oriented programmer and efficient communicator. Skilled through all phases of the product development cycle. Innovative and thorough approach to problem solving.

### *TECHNICAL SUMMARY*

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PHP	JAVA	SQL	Linux/Unix	Javascript/JQuery
Drupal 6,7,8	HTML	XML	C/C++	CSS / Ajax
Pantheon env		Acquia env		

### *PROFESSIONAL EXPERIENCE*

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#### **MEI CONSULTING**, Santa Cruz, CA

Principal Consultant

June 2008 to the present

- Website development : Drupal 6,7,8, Clever debugger, site builder, module developer for all Drupal sites.
- Project list at <http://maryedith.com/about>
- Drupal.org : maryedith
- Certified WBE (Woman-Owned Business)

#### **5 DYNAMICS**, Santa Cruz, CA

**Technical Support Engineering Manager**

March 2006 to June 2008

- Directed technical support and quality assurance functions in a small team. Worked with management to design system solutions and product enhancements to a web application. Implemented some, submitted others as requirements to an offsite engineer
- Webmaster of product marketing website, installed and customized a third-party shopping cart, bug database, ticketing system and other scripts. Trained team members in their use.
- Designed and authored a locally hosted web-tool to manage and edit 1400 small text files used in a company product. This project used PHP, AJAX.

#### **LIGHTSURF TECHNOLOGIES, INC.**, Santa Cruz, CA

**Senior Software Engineer**

October 2004 to March 2006

- Java development and technical lead in a large distributed ecommerce web application. Multiple systems, protocols, web services and databases were involved to handle image and order data. This project used JAVA, JSP, Struts, XML, SOAP.
- Extended the ecommerce system, adding shared elements. Designed and executed UI and server software pieces; MVC architecture.
- Implementation of XML and SOAP specs in distributed web applications.

#### **THURIDION**, Santa Cruz, CA

**Senior Software Engineer**

May 2003 to October 2004

- Contract projects were a variety of Java servlets, XML interfaces and SQL report functions.

- Windows desktop utility to read stored database and text event information, package it for delivery to a large enterprise architecture. This project was in C++.

**STARFISH SOFTWARE**, Scotts Valley, CA  
**Senior Software Engineer**

April 1999 to November 2002

- Increased functionality and efficiency of a web-based organizer. Enhanced client, servlet, and server code implementing user preferences. Served as technical point person on this project.
- Created an all-Java desktop client to synchronize between a Palm device and a remote server. Singlehandedly brought this project to 90% completion ahead of schedule. Coded initial API tests.
- Designed and implemented a filter grammar and Java code to filter data records retrieved from a server for delivery to a device. These filters enabled essential resource conservation during the synchronization process. Coded initial API tests to verify this functionality.
- Interacted with customers and other teams implementing SyncML standards in a servlet designed to synchronize with numerous wireless devices

**ICONETWORKS / DOUBLE CLICK IMAGING, INC**, Scotts Valley, CA  
**Controller and Software Engineer**

September 1989 to December 1997

- Financial manager of an early Internet Service Provider. Instrumental in construction of an agreement for sale of this \$500K company in December 1997.
- Handled financial, corporate, and personnel issues for startup software company.
- Designed early dynamic HTML web pages.
- Created X Window System and Motif 1.1 software applications in 'C' on UNIX.
- Authored technical manuals for company products. Projects included:
  - Video capture database application for conference registration, producing photo ID badges.
  - Personnel document image management system for the Army's Personnel Division.
  - KeyX, an 'X' Window System development system and runtime environment for Intel 386- and 486-based UNIX systems with support for a variety of graphical displays, including the high resolution monochrome monitors essential to the document imaging industry.

**PHOENIX TECHNOLOGIES LTD.**, San Jose, Scotts Valley, CA  
**Senior Software Engineer**

November 1986 to August 1989

- Developed software side of hardware co-processor products designed to run DOS on high-end workstations under UNIX and on the Apple Macintosh II and SE. 'C' language.
- Ported Macintosh product onto a software simulator of the 80286 processor, producing an entirely software DOS emulator.

**PATENT**

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Method and System for Implementing a Filter in a Data Synchronization System 2006

**EDUCATION**

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B.A., Computer and Information Science University of California, Santa Cruz

**INTERESTS**

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swimming, hiking, cooking, camping, yoga.