



Andy Heydon

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SUMMARY

Accomplished and pragmatic software developer with extensive experience working alongside customers to create innovative solutions through attention to detail and focus on positive user experiences. Adept at quickly assimilating new technologies and matching that understanding to business objectives. Ability to apply excellent verbal and written communication skills to both technical and non-technical audiences.

EXPERIENCE

Radical Barrel

Portland, OR

2011-present

Sole proprietor designing and building iOS apps.



Taste ZiNG!, a food and wine pairing app for commercial use. Uses CoreData, CoreLocation, CoreGraphics, StoreKit.



MealSchedule, plan your meals for the days and weeks ahead. Uses CoreData, CoreGraphics, CoreAnimation.

Skills: Objective-C, iOS, Parse, HTML, CSS, Subversion, Git, Mac

Consultant

Worked with CollegeNET to transfer knowledge and complete a new product version.

CollegeNET, Inc

Portland, OR

1996-2011

VP, Software Development (2002-2010)

Designed and developed classroom scheduling applications to sell to universities and colleges. Managed development team. Collaborated with customers to explore new functionality.

- ▶ Designed and built a REST based API encompassing all of the functionality of the scheduling system, creating a new architecture for all future work, and providing over 700 customers an ability to extensively customize their scheduling processes.
- ▶ Transitioned the company's scheduling product from a Windows client/server application to a full web version based on the new architecture, allowing the company to offer the product as both a SaaS solution as well as installed at the customer's site.
- ▶ Launched a scheduling data analytic web application containing sophisticated graphs and charts to communicate the effectiveness of a school's scheduling procedures.
- ▶ Designed and built a reporting subsystem based around the REST API that was significantly easier and quicker for customers to construct their own reports.
- ▶ Identified third party software to provide widgets that complimented the company's offerings, led to very quick adoption of REST API amongst customers and increased sales of web version.
- ▶ Created build scripts to process development code for release on production servers, emphasizing performance and compactness.
- ▶ Presented many times at CollegeNET user conferences, excelling at explaining complicated and technical topics to mainly non-technical people.

Skills: Uniface, SQL, HTML, CSS, Javascript, Backbase, XML, XSLT, C, Ant, SVG, HTTP, Apache, Tomcat, Windows

Director, Software Development (1998-2002)

Designed and developed client/server classroom scheduling applications. Led development team.

- ▶ Created innovative and attractive user interface that even Compuware staff (the Uniface vendor) were surprised was built in Uniface.
- ▶ Migrated the code base to an MVC style which allowed rapid changes to the user interface and supported future architectural changes.

- ▶ Designed and built three versions of a web interface to the scheduling data, each successively more sophisticated and customizable than the last.
- ▶ Oversaw the release of four versions of the scheduling application, each time increasing the installation base.
- ▶ Implemented a project management philosophy based around extreme programming, which included addressing concerns raised by technical writers and training in keeping up with rapid progress.
- ▶ Coached and trained each new hire in Uniface.

Skills: Uniface, SQL, Oracle, DB2, SQL Server, Crystal Reports, HTML, CSS, Javascript, VB, C, Windows, Extreme Programming

Software Developer (1996-1998)

Developed client/server application for managing classroom scheduling in universities and colleges.

- ▶ Released first version to 35 customers three months after joining company.
- ▶ Designed a flexible data model to satisfy the many varied needs of customers.
- ▶ Worked with sales and training staff to determine new features, releasing another five versions.

Skills: Uniface, SQL, Oracle, DB2, SQL Server, Solid, Windows

Compuware Corporation	San Francisco, CA	1995-1996
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Technical Consultant

Provided technical assistance on a multi-million dollar business automation project for an insurance company.

- ▶ Led small high-powered team to build a proof of concept.
- ▶ Completed technical feasibility study preceding the selection of Uniface for the full project.
- ▶ Developed Uniface programming standards and guidelines.

Skills: Uniface, DB2, Windows

EDS	Houston, TX	1992-1995
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Senior Software Developer

Technical lead for an oil pipeline management system.

- ▶ Developed Uniface programming standards and procedures, including structured design system to ease communication between business analysts and programmers.
- ▶ Built infrastructure components to support application developers.

Skills: Uniface, Sybase, Windows

SD-Scicon	London, UK	1985-1992
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Software Developer

- ▶ Led technical support group for a multi-million dollar pan-European oil sales management system, providing assistance to 100 developers, building infrastructure components, and interfacing with vendors.
- ▶ Performed study of Uniface to evaluate its suitability for adoption by the company, which prompted its use on several projects.
- ▶ Main developer for the planning subsystem of a large oil refinery information system; this subsystem had the fewest number of bugs of any on the project.

Skills: Uniface, FORTRAN, Oracle, SQL, VAX/VMS, MS-DOS

EDUCATION

B.Sc.(Hons) Operational Research with Computing, 1985

Leeds University, Leeds, UK

PRINCIPAL SKILLS

Objective-C, iOS, Uniface, SQL, HTML, CSS, Javascript, XML, XSLT

OTHER

President, North American Uniface Users Group, 2007-2010

- ▶ Presented at more than 10 national and international Uniface user conferences.