

JAMES M. HALL

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Summary

I am a software engineer with over 30 years of proven problem solving and software design skills. I am proficient in the design and development of easy to use software systems. I am capable of documenting all phases of the software life cycle. I am experienced in the creation of test plans and test software.

- ❖ Development of clean software systems
- ❖ Can debug and fix difficult software problems (not the symptoms) in systems.
- ❖ Works well in groups
- ❖ Write and execute test plans
- ❖ Document development of software
- ❖ Was group leader of communications group

What I Can Bring to Your Project

Languages: C, C++, Objective-C, Java, Assembly, Ruby, Python, HTML, HTML5, CSS
SDKs: Xcode, Excel, Word
Systems: Mac, Windows, iOS 8 (5,6, 7), Unix, Linux
Experience: Project Leadership, Flexibility, Adaptability, Maturity, Firmware/Software Development, Web Development, iOS Apps in iTunes Store, Over 30 years of making software and hardware work together to provide a clean user experience

Experience

JMHSoftware.Net – Santa Barbara/San Jose, CA

2010 – Present

Owner/Chief Software Engineer/Consultant

Consultant's Time Manager © - Available on iTunes: <https://itunes.apple.com/us/app/consultants-time-manager/id569015857>

GAINED FIVE STAR USER REVIEW FOR FUNCTIONALITY.

Collector's Book Lite © - Available on iTunes: <https://itunes.apple.com/us/app/collectors-book-Lite/id951188270>

Collector's Book © - Available on iTunes: <https://itunes.apple.com/us/app/collectors-book/id954594124>

Professional Experience

OXFORD SOFTWARE AND HARDWARE – Sunnyvale, CA

2014

Consultant to Aceso Marketing

Development and support of **YouChat** messaging software on iOS 7.1.2 and iOS 8.1.

- ❖ Prototyped screens for setup of accounts and contacts.
- ❖ Fixed bugs with view controllers and table controllers to insure correct display.
- ❖ Researched feature implementation for future development.

COLD SPRING ENGINEERING LLC – Santa Barbara, CA

2010 – 2012

Consultant to Vetronix (Bosch)

Continued to support the MTS3100 software system. Fixed problems and developed features and communications systems for new automotive systems. Fixed complex problems on the Mastertech Vehicle Interface (VCI) which is an emulator that takes the MTS3100 code base to the next level of performance.

- ❖ Created scripting engine to allow test group to develop tests to run on the MTS3100.
- ❖ Documented Scripting Engine in great detail in order to ease user's script creation
- ❖ Developed Editor to create documented scripts for the Scripting Engine that improved implementation and debug time for scripted tests on the MTS3100 and VCI.
- ❖ Designed and wrote "C" code to perform scripted and Output Control tests while normal data list was running in the MTS3100 and VCI.

- ❖ Wrote many scripted tests, using Scripting Editor, that successfully ran on the MTS3100 and VCI
- ❖ Worked with protocol specifications to implement data communications protocol messages for the use of the communications processor of the MTS3100 and VCI

PACINFO TECHNOLOGIES INC. – Santa Barbara, CA

2005 – 2010

Consultant to Vetronix (Bosch)

Was a major part of the development team that implemented the user interface and communications for the embedded code of the MTS3100 automotive testing device.

- ❖ Developed modules that would accept/process data from the communications processor
- ❖ Processed data from communications processor and displayed results to user as required
- ❖ Developed user interface modules to display data in various forms to the user
- ❖ Developed modules that formatted messages for communications module to send to ECUs
- ❖ Wrote main processing loop for tester to manage all tasks required during operation of tester
- ❖ Debugged multithreaded problems on MTS3100 code base using debugging software
- ❖ Designed and developed threads that processed data during normal operations for the user

TRANSOFT (HEWLETT-PACKARD) - Santa Barbara, CA

1995 – 2001

Senior Software Tools Engineer

Software engineer assigned to designing and implementing software tools to be used by the R&D department to test software products.

- ❖ Designed and implemented Java editor/viewer for database created and used by the SAN Manager product.

Project Manager

Managed six-person group.

- ❖ Developed schedules for work in process.
- ❖ Developed and delivered presentations to upper management in order to complete milestones of software life cycle.

Unix Driver Developer

Software engineer responsible for designing, writing from scratch, and debugging a PCI Fibre Channel device drivers for the Qlogic 2100 card on SGI systems (Irix).

Additional Relevant Experience

CONSULTANT IN PRIVATE PRACTICE

1987 – 1995

- ❖ Unisys Corp - Irvine, CA
- ❖ Com-Tech - Santa Barbara, CA
- ❖ POSH Collections - Santa Barbara, CA
- ❖ W. L. Holladay Consulting Engineer - Altadena, CA

ADVANCED COMPUTER COMMUNICATIONS - Santa Barbara, CA

1985 – 1987

BURROUGHS CORP. (UNISYS) - Santa Barbara, CA

1979 – 1985

Education

B.S. Computer Science, California Polytechnic State University, San Luis Obispo, CA

Awards

Exemplary Action Award: Burroughs
 Special Accounts Programmer of the Month: Unisys
 Star Award: Hewlett-Packard

Memberships

American MENSA Ltd.
 Kappa Mu Epsilon (Mathematics/Science Honor Society)