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# Burton H. Janz

## **Overview**

A principal-level software engineer with mission-critical architecture design and coding skills, and successful lead engineer experience.

## **Current Skills**

- C; bash/sh
- Linux drivers/kernel internals; embedded Linux
- NXP LX family; ARM Cortex-A15; Xilinx Zynq; Intel; Freescale I.MX5/6; TI OMAP
- Yocto; custom build tools
- GIT (porcelain); Jenkins; Agile (Atlassian Jira)

## **Additional Skills**

- C++; STL; BOOST; Python; Perl
- TCP/IP (client/server)
- GIT (plumbing); CVS/SVN
- IBM/Freescale PPC (various); Intel/AMD x86
- Redmine; Ansible
- Windows
- Wordpress (beginner)

## **Previous Experience**

- VXWorks; Microsoft Window internals; VMS; RSX; other UNIX
- UDP protocols; RPC; XML; HTML; SOAP; NFS/SMB; COM/DCOM; other networking systems/protocols
- UNIX (SYSV, BSD) drivers/internals; Microsoft drivers; RAID; SCSI; other device drivers and kernel internals
- Android; Java/J2ME/MIDP; Microsoft Windows CE Embedded; MetroWerks for Palm; other embedded OS and IDEs
- ClearCase; RCS
- SQL; BASIC/VB; other languages
- DOORS; Bugzilla; other bug tracking systems
- Omnivision 5xxx

## **Operating Systems**

- CentOS, Ubuntu, custom embedded (kernels from 2.6.x thru 5.x)
- Microsoft Windows 10, 8.
- Apple OS X 10.x
- Android

## **Education and Activities**

- Reviewer for Pakt Publishing “Yocto for Raspberry PI” (ISBN 978-1-78528-195-2)
- Reviewer for Pakt Publishing “Embedded Linux Projects Using Yocto Project Cookbook” (ISBN 978-1-78439-518-6)

GCS Adjunct Instructor, Daniel Webster College, Nashua, 1999 to 2011 (curriculum included UNIX/Linux device drivers; networking concepts and protocol basics; system management; TCP/IP and sockets; C/C++ programming; OOP methodology and techniques; Artificial Intelligence)

- Appears in product manuals for Yggdrasil Linux, 1994 and 1995.
- Published in MIPS, Personal Workstation, and Leisure Times Magazines.
- BSCS, Franklin Pierce College, 1988, with honors.
- Honorable Discharge USN, 1982, while stationed aboard USNS Rigel as LPO of 23-man detachment.
- BOD member, Gift of Life New England Inc., a 501(c)3 organization that arranges for no-cost open-heart surgery for children from 3<sup>rd</sup> world countries ([www.golne.org](http://www.golne.org)).
- VFW Post 483 (Nashua) Trustee (officer)

### ***Employment History***

Available upon request.