

# Ted Logan

## Software Engineer

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Longmont, Colorado

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## Summary

Software engineer experienced in development of cable and satellite set-top-box software, PC software in Windows and Linux, embedded Linux, and Linux kernel drivers. Experienced developing and debugging on Broadcom and NXP MIPS-based and Motorola CPU32 (68330)-based set-top boxes.

## Work Experience

### Software Engineer

February 2008-Present  
Boulder, Colorado

Morphlix, Inc.

- ✓ Developed set-top box software for a Linux-based STB in C and C++
- ✓ Built STB user interface using DirectFB
- ✓ Instrumental in successful private beta of the Morphlix service
- ✓ Implemented MP4 container support for video playback

### Software Engineer

April 2006-February 2008  
Boulder, Colorado

Solekai Systems

- ✓ Developed, maintained, and verified satellite and cable television set-top-box software using C, C++, Java, JNI, and O-code
- ✓ Wrote Linux kernel driver for a PCI device
- ✓ Implemented driver acceptance test plan in Perl using special-purpose C module
- ✓ Developed and enhanced middleware in C, Java, and JNI on embedded Linux
- ✓ Wrote a special-purpose MPEG transport stream analyzer
- ✓ Worked with OpenTV middleware and wrote set-top box test applications in O-Code

### Software Engineer

July 2003-April 2006  
Boulder, Colorado

Imaging Technology International

- ✓ Specified, developed, tested, and maintained printer control software in C++ and Labview
- ✓ Developed embedded applications using an 8-bit Atmel microcontroller
- ✓ Wrote user manuals and application notes for internal and external use

### Development Intern

Summers 2000, 2001  
Boulder, Colorado

Spatial Corporation

- ✓ Helped maintain a two million line C++ 3D modeling library, ACIS
- ✓ Instrumental in the development of thread-safe libraries

## Education

### Bachelor of Science in Computer Engineering

August 2002  
College Place, Washington

Walla Walla College

- ✓ 3.6 cumulative GPA
- ✓ Wrote a complete TCP/IP stack in C for an embedded 386