

## Contact

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## Top Skills

Software Engineering  
C  
Embedded Systems

# Wolfgang Reißnegger

Firmware Engineer at Facebook  
San Jose, California, United States

## Summary

### Experience:

- Extensive experience in software design and development for low level systems as well as higher level user applications
- Experience in team building and leadership
- Worked in research as well as new product development environments in teams ranging from 2 to 15 members
- Experience in Scrum / Agile development

### Specialties:

- Embedded Linux / RTOS development, cross-platform
- Low level system software development
- Linux Device Drivers
- System & OS level Libraries
- Bootloader, Bootstrapping
- Working with HW engineers, new hardware bring-up
- Familiar with x86, ARM, MIPS, PowerPC, Xilinx FPGA
- WiFi, Ethernet, TCP/IP

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## Experience

### Facebook

#### Firmware Engineer

September 2019 - Present (4 years 3 months)

United States

Pushing the boundaries of AR/VR.

### Everactive (formerly known as PsiKick)

#### Principal Engineer

June 2018 - December 2018 (7 months)

United States

Building batteryless super-low-power embedded systems.

### Self

#### Software Contractor & Consultant

August 2014 - May 2018 (3 years 10 months)

San Jose, CA

- Linux / RTOS embedded systems architecture
- Board & System bring-up / bootloaders / device drivers
- OS level software / libraries / daemons

Recent:

September 2014 - December 2014 - Highfive Technologies, Inc.

([www.highfive.com](http://www.highfive.com)):

- System software development for Highfive set-top box.
- Linux kernel drivers, u-boot and AVR firmware bring-up.

Jawbone

Senior Manager, System Software

August 2010 - August 2012 (2 years 1 month)

- Build and lead a team to develop OS level software components for next-generation Jawbone products.
- Manage communication and collaboration between Hardware, Software and Product teams.
- Work with product design team to assess product design and feature feasibility.
- Directly communicate with executive level on project and team status and resource requirements.

Hewlett-Packard

Principal Software Engineer, Linux Kernel / webOS

August 2010 - August 2010 (1 month)

Palm, Inc.

Principal Software Engineer, Linux Kernel / webOS

November 2007 - August 2010 (2 years 10 months)

- Responsible for system level power management on Palm core OS platform used for variety of Palm products.
- New product development / bring-up.

Xilinx, Inc.

Staff Software Engineer

April 2006 - November 2007 (1 year 8 months)

- Initiate and drive Xilinx's Linux Open Source program.

- Bring up and maintenance of PowerPC and Microblaze based embedded Linux systems.
- Design, Implementation and support of Linux device drivers for FPGA soft/hard cores.
- Integration of Linux drivers with Xilinx EDK.

Palm, Inc.

Sr. Software Engineer

July 2004 - March 2006 (1 year 9 months)

- Working as a member of a new-product development team (Palm Foleo)
- Focus on Embedded Linux system software development.
- Working with HW engineers in new board design and debugging.

Apptran, Inc.

Software Engineer

January 2004 - June 2004 (6 months)

- Development of software for a Linux based Exchange Server replacement.

NEC America, Inc.

Research Staff Member

December 1997 - September 2003 (5 years 10 months)

Worked in several research projects:

- Helped develop a NEC internal embedded operating system (ROME/OS).
- Member of a team to design and implement an 802.11 based corporate access infrastructure.

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## Education

Hochschule Mannheim

Masters, Software Engineering · (1991 - 1996)