

Nat Gurumoorthy

Member Technical Staff at Google Mountain View

Summary

N/A

Experience

Member Technical Staff at Google

January 2011 - Present

I work in the Platforms Hardware Development group.

Principal Software Engineer at Ubicom

March 2000 - January 2011 (10 years 11 months)

I am one of a select group of people who can claim to have ported Linux to an entirely new architecture. I am member of a 3 person Kernel group that ported Linux to the the Ubicom32 multi threaded architecture. I wrote the low level context switching code. I wrote the Signal handling code. I wrote code that handles loadable module relocation fixups. Wrote the elf to flat converter and the flat file relocation fixup code to run binaries.

Added support for Ubicom32 multithreaded architecture into QEMU.

Currently I am working on porting Android platform to Ubicom architecture. Wrote the machine specific code for Android Bionic library.

Working on porting Ubicom32 architecture to Android QEMU emulator.

Added FDPIC support to Ubicom32 GNU linker and assembler.

Member Technical staff at Silicaon Graphics

February 1995 - March 2000 (5 years 2 months)

Worked in the digital Media group in the Intermediate Systems Divitions. Wrote device drivers for a JPEG compression card.

Member Technical Staff

September 1991 - February 1995 (3 years 6 months)

Wrote devive driver to interface Kubota graphics system to DEC Alpha platrom. Also wrote device drivers to interface Kubota Graphics system to a SMP Adrent machine.

Software Engineer

1988 - 1991 (4 years)

Software Engineer

1988 - 1991 (4 years)

Education

Stony Brook University

MS, Electrical Engineering, 1983 - 1988

Indian Institute of Technology, Kharagpur

B Tech, Electrical Engineering, 1978 - 1983

Activities and Societies: Bridge, Water Polo English and Hindi Plays.

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[Contact Nat on LinkedIn](#)