

Contact

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www.thirdmartini.com (Personal)
thirdmartini.substack.com/ (Blog)
github.com/thirdmartini (Portfolio)

Top Skills

Snapshot

Linux

Device Drivers

Languages

English (Native or Bilingual)

Polish (Native or Bilingual)

Patents

Journal management

Primary Data Storage System with Staged Deduplication

Primary Data Storage System with Quality of Service

Ethernet Based Block Storage

Multi-path in a clustered storage system

Sebastian Sobolewski

Independent Contractor

Broomfield, Colorado, United States

Summary

I am a Technologist and an Entrepreneur, with several successful startups under my belt. My specialty and interests are in storage virtualization and cloud platforms. With as much has been done in this space, it's just a drop in the bucket for what can be done.

Past Notable Roles

- Principal Engineer:Storage at DigitalOcean
- Architect And Principal Eng at Fusion-io (Acquired by SanDisk)
- Architect And Principal Eng at NexGenStorage (Acquired by Fusion-io)
- Founder of Lefthand Networks (Acquired By HP)
- Lead Architect and developer of ports of LeftHand software to OEM platforms.

Patents

- Co-Inventor of LeftHand's iSCSI clustering and virtualization software for MS Windows
- Co-Inventor of US Patent #6,839,706 (Ethernet Based Block Storage)
- Co-Inventor of US Patent #7,529,816 (Multi-path in a clustered storage system)
- Co-Inventor of US Patent #7,865,588 (Multi-path in a clustered storage system, addendum)

Specialties:

- OS Platforms: Linux, Android,
- Hardware Platforms: x86/ia64, ARM, Microchip PIC18/PIC24/PIC32
- Programming: C/C++, Java, Python, HTML Technologies (JS/ REST/gRPC), and yes even x86 assembly
- Protocols: NVME, iSCSI, SAS/SATA. TCP/IP

Experience

12Twelve Foundation, LLC

Didact

May 2023 - Present (2 years 6 months)

Colorado, United States

We're a group of multi-disciplinary engineers and program managers that believe in democratizing access to the technology sector. Our mission is to help people around the world turn their ideas into reality by applying technology. Ask us how we can help bootstrap your business or startup idea.

DigitalOcean

Principal Engineer

July 2016 - May 2023 (6 years 11 months)

Storage Product Development

Responsible for DigitalOcean NVME Volumes, Storage Performance improvements, Droplet (VM) backups and snapshot improvements

Key Technologies: Ceph, SSD/NVME Flash Storage, Go, Differential Backups/Snapshots

NexGen Storage

Distinguished Engineer

January 2015 - June 2016 (1 year 6 months)

Journalized Block Flash Storage

Clustered Storage Device Management Infrastructure

RESTfull API Implementation on top of a Clustered Object Management

Database implemented using FUSE (Filesystem in User Space)

IO Performance and Scalability

Inband Deduplication

VMWare vVOLS support

High Performance threaded IO optimization

SanDisk

1 year 10 months

Principal Engineer (ioControl)

July 2014 - January 2015 (7 months)

Broomfield, Co

IO Journaling (With Mirror) and SSD Data Store Management

Clustered Storage Device Management Infrastructure

RESTfull API Implementation on top of a Clustered Object Management

Database

IO Performance and Scalability

Principal Engineer (ioControl)

April 2013 - July 2014 (1 year 4 months)

Broomfield, CO

IO Journaling (With Mirror) and SSD Data Store Management

Clustered Storage Device Management Infrastructure

NexGen Storage

Principal Engineer

January 2011 - April 2013 (2 years 4 months)

IO Journaling (With Mirror) and SSD Data Store Management

Clustered Storage Device Management Infrastructure

ThirdMartini.com

Owner/CEO

2001 - 2013 (12 years)

Broomfield, Co

Freelance Consulting and Software Development

VMWare

Sr. MTS IP Storage Group

June 2007 - January 2011 (3 years 8 months)

Broomfield, Co

ESX iSCSI Initiator

IMA plugins for VmWare SW iSCSI Drive and Broadcom TOE

Vendor Neutral IMA Extensions for ESX iSCSI Target and Initiator
Management

dothill.com

Sr. SW Eng.

July 2006 - June 2007 (1 year)

Dot Hill Systems Corp

Senior Eng.

2006 - 2007 (1 year)

Lefthand Networks

Founder

2000 - 2006 (6 years)

Boulder, Co

Co-Founder of Lefthand Networks

AEBS Linux Driver

iSCSI Target

HAL (Hardware Abstraction Layer) for Platform Management

Maxtor

Software Eng.

May 1998 - November 2000 (2 years 7 months)

* Lead Developer factory test equipment

AppliedTheory Communications

Technical Coordinator

May 1995 - May 1998 (3 years 1 month)

NYSERNet

Technical Coordinator

January 1995 - April 1998 (3 years 4 months)

Education

Syracuse University

· (1993 - 1997)