SSD FIRMWARE ENGINEER RESUME

Christopher Morgan
131 North Bend River Road
Washington, KY 41056
(111) 308-2714
Email : [email]

Career Goal:

Ingenious and dynamic SSD Firmware Engineer with vast experience in Python, C++, Assembly and C languages willing to exhaust my knowledge to achieve the company's targets

Technical Skills:

Good knowledge of testing equipments:

- Oscilloscopes
- Bus analyzers

Extensive technical knowledge of storage interfaces:

- ATA
- SATA
- SAS/FC

Quick and excellent in ARM development tools:

- Eclipse
- RealView

Dexterity in scripting technologies:

- Perl
- JavaScript

Expertise in packaging technologies:

- DIE packaging
- Mold Process

Well versed with storage and memory devices:

- Hard disk
- NAND
- NOR
- Device drivers

Strong implementation skills:

- Firmware development
- System failure analysis
- Resolution of hardware issues

Immense abilities to:

- Prepare digital hardware designs and firmware components
- Understand embedded firmware concepts and optimize application performance

Relevant Experience:

SSD Firmware Engineer
Micron Technology, Inc
January 2012 – Present
Washington, KY

- Programmed and executed binary for assembler and bootloaders.
- Analyzed and resolved firmware issues with RVD programs.
- Suggested and implemented new firmware features in SATA.
- Prepared and executed SATA test programs in C.
- Conducted detailed research on flash characterization related to NAND systems.
- Participated in diagnosis of firmware bugs utilizing Realview and Logic Analyzer.
- Maintained data integrity and evaluated SSD algorithms.
- Installed and tested firmware components on development boards.

SSD Firmware Engineer
Super Micro Computer, Inc.
November 2010 – January 2012
San Jose, CA

- Designed and developed structured sources code for embedded systems.
- Conducted design verification with simulation and product testing techniques.
- Participated in distributed code reviews and architected firmware systems.
- Analyzed functional issues of firmware systems with analysis equipments.
- Developed and implemented firmware components for SSD.
- Debugged drive firmware and implemented internal testing.
- Provided technical guidance during requirement, design and code reviews.
- Installed firmware IP systems for SSD systems as per technical requirements.

Educational Background:

Bachelor's Degree in Information Systems
Colorado Technical University
August 2006 – May 2010
Sioux Falls, SD

Build your Resume Now