

Resume Adriaan (Arjan) van de Ven

Summary

I am a senior software engineer with extensive experience in open source software development in general and the Linux kernel in particular. My main interests and experiences are in the areas of computer security, component and system performance and in organizing high impact changes in complex projects. My experience ranges from assembly level performance tuning to leading projects such as operating system security breach prevention by integrating technologies into multiple open source projects; and meeting customers and partners to understand their exact needs.

Work Experience:

Senior Staff Software Engineer

Intel International BV
January 2006 - current

In the role of staff software engineer I am working on improving Linux to work better with Intel hardware as well as diagnosing and fixing performance issues that customers had with Intel hardware. In addition I'm participating in a team that gives design input for future hardware designs to the respective design teams and that analyzes changing trends in the Linux space for their impact on the behavior of Intel hardware.

Principal Software Engineer: Quality Architect

Red Hat, Inc
November 2004 – November 2005

In the role of Quality Architect I was responsible for creating and optimizing Quality Assurance processes for the Red Hat Enterprise Linux product, such as the process to test and release software updates.

I have also been responsible for the creation of two highly used automated QA software tools that both significantly increase test coverage and reduce the time spent on basic testing tasks. A sizable part of my role consisted in rolling out various changes in the processes and getting buy-in for these changes throughout the entire engineering organization.

Principal Software Engineer: Kernel integrator / maintainer

Red Hat, Inc
January 2001 – October 2004

In this role I was responsible for creating the kernel packages for Red Hat Linux versions 7.1 to 9 and Red Hat Enterprise Linux versions 2.1 and 4 and various versions of Fedora Core. This role included working with Product Management to get a requirement set, creating an engineering plan and leading the execution thereof. In addition this role included creating and integrating Red Hat specific feature work and fixing bugs in a wide range of subsystems and drivers of the Linux kernel. My work in the processes in these areas are still being used as the basis for the current Red Hat Enterprise Linux development and maintenance procedures.

The things I enjoyed most about this role were working with the various hardware and software partners, the direct customer feedback, working with the customer facing support people and

the various special projects (for example the NPTL and Exec-Shield projects) that I could have a leading or high-impact role in.

Researcher

Océ Technologies

January 1999 – December 2000

In this job, which was a logical continuation of my masters thesis work, I worked in a project that did research in the field of high performance image processing implementations in the field of printing and copying. This work included creating assembly and MMX implementations of various algorithms as well as full redesigns of algorithms and parts of the image processing pipeline to meet the aggressive performance target.

Owner/Sole Proprietor

Fenus Computers (Sole Proprietorship)

1995 – 1998

Part time company operated during university studies; now dormant due to various full time positions with exclusivity clauses in the contracts

Internship for Masters Thesis

Océ Technologies

January 1998 – September 1998

Master thesis on the link between data compression and image processing:

"Using data compression-techniques to improve the performance of digital image processor on a general purpose microprocessor."

Intern ASIC design

Pijnenburg Custom Chips

September 1997 – December 1997

Internship in one of the custom ASIC design groups (VHDL, system design)

Education:

TIAS Business School

Part Time MBA, September 2004 – December 2006

Eindhoven University Of Technology

MSc, Electrical Engineering, September 1993 – January 1999

Address and contact information

<mail address removed from the internet copy>

arjan@infradead.org