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Jim Gruneisen

Summary A senior product development manager with more than 10 years experience. Skilled in building and managing globally dispersed cross-functional teams. Experienced in developing partnerships with technology suppliers and translating customer needs into solutions. A highly ranked contributor with a unique mix of hardware and software experience.

Professional Experience Hewlett-Packard Company/Agilent Technologies
Palo Alto, CA

Informatics & Infrastructure Manager 2000 - 2005

Joined Agilent's Life Sciences and Chemical Analysis (LSCA) Business Group as a Software R&D Manager responsible for DNA microarray products. Within six months, staffed a development team with over 20 new PhD and experienced workers in image processing, statistics, project manager, and computer scientists. Initiated the use of a software development lifecycle and Rational's requirement management tools. Developed the machine control, user interface and image processing software for the world's first high throughput microarray scanner in 2001. See (<http://www.chem.agilent.com/Scripts/PDS.asp?IPage=398>) and (<http://www.chem.agilent.com/Scripts/PDS.asp?IPage=2547>) for details. Built the infrastructure and staffed a project team to deliver custom probe design services (<http://www.chem.agilent.com/Scripts/PDS.asp?IPage=2989>).

After follow-on releases of the scanner, joined the LSCA WorldWide Order Fulfillment organization as IT Infrastructure and eventually factory Quality manager. Currently manage the software development, support, hardware infrastructure, and business continuity plan for the 24x7 DNA Microarray manufacturing fab in Santa Clara. These applications consist of an MES system from Camstar, custom built QC software for processing QC arrays, and factory data analysis tools. These tools are built upon, Microsoft, Oracle, Unix, and Linus tools and OS. In addition to the IT systems, I manage the production quality organization and quality development team. Production quality consists of wet labs for hybridizing arrays, scanning, image processing and dispositioning product.

Since joining the Life Sciences business unit, I've attended evening classes at UC Santa Cruz to complete a certificate in Bioinformatics. I'm one class away from completing the certificate with a GPA of 3.8. See http://www.ucsc-extension.edu/main/bio_sci/biocert.html for details. I attended the **New England Biolabs Molecular Biology Summer Workshop**

at Smith College. See http://www.science.smith.edu/neb/course_summary.html for content.

In addition to my assigned responsibilities, I've also completed numerous special assignments including customer presentations, executive contact for our largest customer, member of audit team, and employee mentoring. My performance ranking at Agilent is a 1, the highest possible.

Electronic Packaging R&D Manager

1998 - 2000

Currently lead a team of other managers, engineers and scientists who develop the materials and assembly processes for Application Specific Integrated Circuits (ASICs). The material and assembly processes selected for an ASIC are critical because they make up 40 - 60% of the overall ASIC cost and limit electrical and thermal performance.

- Led a team that constantly created innovative approaches which pushed both high performance for microprocessors and low cost for printer applications.
- Integrated customer needs and emerging technology into a new silicon package development roadmap and business plan. Our largest customer stated in a supplier survey that electronic packaging would not meet their future needs. Following the completion of the new roadmap, their feedback changed to would meet their needs.
- Managed the development of an innovative ASIC assembly process and released to manufacturing. The patented design combines technology from several suppliers into a product that offers a superior thermal and electrical price performance ratio. Several customers have selected it for products that begin shipping in September.

HP Design Automation Department Manager

1991 - 1998

Delivered electrical and mechanical design automation tools and services to company-wide users. Managed a \$10 million investment to improve electrical and mechanical product generation processes.

- Led the creation of a company-wide electrical and mechanical design environment. The design environment consists of a common set of CAD tools, design rules integrated into CAD tools and automated links to manufacturing partners. This program created product development capabilities that are 2-3 years ahead of competitors.
- Created portfolio of products and services that provided customers a complete product design toolkit. This included negotiating CAD tool pricing, integrating CAD tools into the design environment, marketing to evaluate new investments, on-line product support and training. These products and services reduced the resources needed to support product design by 50%.

- Co-developed an ASIC and PC board design benchmarking vehicle which was used to benchmark Sun, Apple, Dell, Siemens, DEC, and HP design capabilities. The results confirmed HP's lead in product generation and increased program revenues.
- Led the definition and implementation of software development processes for a large Information Systems Department. Created a web based documentation system that passed corporate audit and has been used as an example in other parts of the company.

Manufacturing Process Development Manager

1985 - 1991

Led development of printed circuit assembly technology required for surface mount assembly. This included development of control systems, CAD data links for product design teams, assembly machine selection, and application of state-of-the-art X-ray and vision systems for solder joint inspection.

- Evaluated, purchased and installed into production HP's first X-ray solder joint inspector. This novel system improved process control, identified defects that electrical test missed and was used for process development. The results of this investment were so compelling that HP purchased the company and added X-ray inspection as a complement to it's electrical test products.
- Managed the development of a CAD Data Link System that directly linked electrical design data to assembly machines. This system reduced the time to build prototypes from weeks to 3-5 days.
- Delivered a presentation and marketing video for HP's Executive Council which explained the benefits of investing in Surface Mount Technology. The Surface Mount Development Center was created following the meeting, leading to the installation of 12 manufacturing centers world-wide.
- Built an organization of 40 employees including college and experienced employees. This enabled the development center to meet schedule goals for process development and installation of equipment.

Education

University of California

Davis, CA

Bachelor of Science - Electrical Engineering