

DAVID JAMES CHAPMAN

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SUMMARY

Senior software development engineer with extensive project management experience. Expertise in the design and development of EDA tools and systems. Successfully trained, coached and supported international end users resulting in a unified company wide design flow. Solid background in the technology of semiconductor devices, basic techniques of microelectronics, circuit design & analysis. Excellent troubleshooting & communication skills.

TECHNICAL SKILLS

- C/C++
- STL
- Perl
- Java
- Solaris
- Linux
- MS Office
- MS Project
- OpenOffice

PROFESSIONAL EXPERIENCE

FREESCALE, Tempe, AZ

1993 – 2007

Formerly Motorola SPS: Semiconductor Manufacturer

Team Lead

Led a team of 6 engineers responsible for the development & support of best-in-class standard cell and custom IC characterization (CZ) tools. Coordinated the activities and deliverables from three teams in the USA and India.

- Ported the full suite of tools from the Solaris to the Linux platform resulting in deployment of a large grid of low-cost compute servers to the library characterization task.
- Saved \$100k annually in development and support costs implementing custom flows for the processing of memory circuits,
- Introduced software throughput enhancements, enabling the design organization to meet increasing delivery commitments.
- Integrated internal and 3rd party transistor level circuit simulators, increasing the customer base.
- Enhanced software enabling Freescale to migrate to increasingly advanced technologies and processes
- Developed comprehensive automated regression suite, shortening the release cycle by 50% and reducing the number of delivered defects
- Improved productivity and decreased support overhead by creating and delivering training classes and seminars in the USA, Germany, Russia, Brazil, Israel, India, China and Japan

Senior Software Engineer

1993 – 1999

Developed utilities for the generation of circuit timing/power models from a characterization database in a variety of formats.

- Enabled customers to quickly adopt tool flows by preparing and maintaining comprehensive user documentation and training materials and delivering training classes on demand worldwide.
- Implemented an issue tracking system based on Lotus Notes, enhancing the quality of the user support and improving customer satisfaction.

EDUCATION

BE, Electrical Engineering, Dublin City University, Dublin, Ireland
(Equivalent to BSEE)

PROFESSIONAL DEVELOPMENT

Ultrasim Course, Cadence
Advanced C++, Motorola University
Supervisor Training