

Ambarish De

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OBJECTIVE

A seasoned software engineer, energetic team leader and experienced project manager, seeking to undertake and outperform in a new area of leadership, vision and engineering creativity. Aiming to build and lead a team of exceptional engineers, delivering cutting edge products that are both computationally superior to competition and are also poised for growth and scale as demanded by evolving business needs.

- Recognized for attention to detail, exceptional planning and execution skills, discipline, innovation and leadership in software development process, test tools, and quality assurance.
- Demonstrated leadership within small, matrix managed teams, delivered software in time critical production environments using customer centric planning, field trials and cross-functional initiatives
- Excelled in software design and architecture, exhibited excellent problem solving and leadership skills, driving multiple parallel technical projects through their complete lifecycle and delivery.

AREAS OF EXCELLENCE

Software architecture, design & testing	Customer driven design	Leading small teams
Software project life cycle management	Agile development [scrum]	Release management

PROFESSIONAL EXPERIENCE

- Intel Corporation, Computational Lithography Group July 2005 – Present

Strengths and Responsibilities:

- Ownership of full software development lifecycle, successful engagements in business goals definition, story-boarding, software architecture design, development, acceptance testing, training and delivery
- Foresight in software design and development, demonstrated by creating Intel's lithographic user experience platform which has now operated and evolved in production environment for 9 years.
- Leadership and organizational skills, leading to successful concurrent delivery and maintenance of multiple software solutions to Intel's manufacturing process and a variety of customers
- Communication skills applied to both upward and downward communication, resulting in coherent understanding of progress against goals and adherence to evolving business strategy
- Action oriented mindset with proactive problem solving, leading to continued success in cost cutting and technology enablement, in a high pressure, time critical production environment
- Focus on expanding business domain knowledge and synchronizing charter across functional areas and competing priorities, culminating in faster turnaround through cross functional alignment
- Strong interpersonal skills with focus on building professional networks with customers, management, peers and team, resulting in a highly energetic, nimble and transparent team culture
- Mentoring junior employees towards productive technical practices and understanding of business goals, resulting in enhanced team performance that empowers, excites and delivers
- Keen eye for automation opportunities, systems that eliminate process, leading to boosts in focus and productivity of the team towards development that directly impacts the marketable product

Key Achievements:

- Computational lithography, integrated application user interface [2006-2012] applied to lithographic challenges such as model calibration, recipe optimization, source/mask optimization
- Manufacturing defect analysis work bench [2013-2015], delivering faster production turnaround, through visualization, correlation and in depth debugging capabilities for production defects
- Pluggable application framework [2012-2013], reducing new app development time by 3X
- Pathfinding for distributed server client platform [2007 - 2008], leading to system with scaling capability of 20K+ CPUs, 10TB+ data and weeks of runtime
- Quality automation and nightly testing [2010-2012] ensuring always ready for release UX tools
- Technical lead for Intel Russia, 3D visualization library development[2005-2006] enabling 3D modeling of transistors
- Computational Lithography tools release owner [2006-2012] ensuring 40+ timely releases

PROFESSIONAL DEVELOPMENT

Education:

- Master of Science in Information and Computer Science, 2004 - University of California Irvine
- Bachelor of Technology in Computer Science and Engineering, 2003 - Indian Institute of Technology

Other Professional Involvement:

- Software Engineer - LSI Logic Corporation January 2005 – July 2005
- Software Engineer [Intern] – Synopsys Inc. USA June 2004 – September 2004
- Software Engineer [Intern] – Synopsys Inc. India May 2002 – August 2002

Technical Knowledge:

- Programming Languages: C++, C, Java, VC++, Perl, Python
- UI Toolkits: QT, Java Swing
- Operating Systems Knowledge: Linux, Unix, Windows, Solaris
- Web [Basics]: HTML5, CSS3, JavaScript, JQuery

Selected Professional Recognitions:

- 2014 Technology Manufacturing Group Excellence Award [*Highest recognition for large team efforts*]
- 2014 Computational Lithography Technology Department Recognition Award
- 2013 Technology Manufacturing Group Excellence Award [*Highest recognition for large team efforts*]
- 2012 Intel Software Quality Award [*Intel's highest recognition for quality software development*]
- 2011 Intel Process Technology Modeling Department Recognition Award
- 2010 Intel Process Technology, Resolution Enhancement Technology Divisional Award
- 2009 Technology Manufacturing Group Excellence Award [*Highest recognition for large team efforts*]
- 2009 Process Technology Modeling Department Recognition Award
- 2007 Technology Manufacturing Group Excellence Award [*Highest recognition for large team efforts*]
- 2005 LSI logic, Winners Circle Award [*LSI's highest recognition for individual contribution*]