

Summary: EDA Industry

- Led software engineering, QA, and production support.
- Recognized for consistently enhancing processes and quality through system development.
- Proficient in detailed problem-solving to optimize design implementation.
- Coordinated R&D initiatives to support field teams.
- Collaborated with architects to ensure release quality.
- Partnered with R&D for superior quality.
- Demonstrated expertise in QA processes and methodologies.
- Established offshore development and testing teams.
- Implemented proactive application monitoring systems.
- Managed integrated change control processes.
- Developed advanced web interfaces for Quality of Results comparison.
- Enhanced test infrastructure for 90% automation.
- Designed and implemented pre-release software testing infrastructure.

Synopsys

Solutions Staff

Oct 2018 – Nov 2023

- Crafted customized Python workflows during a 6-month tenure as a Data Scientist at Design Dash analytics.
- Completed prestigious certification courses in Deep Learning Neural Networks, Machine Learning, and Data Sciences from leading institutions.
- Skilled in cutting-edge Deep Learning frameworks and architectures, leveraging Google Colab and Kaggle for collaborative projects.
- Proficient in various advanced Deep Learning techniques including Convolutional Neural Nets, Sequence models, Reinforcement Learning, Generative Adversarial Networks, and Computer Vision.
- Demonstrates outstanding time-management and prioritization abilities, adept at leading both individual and team initiatives.

Mentor Graphics A Siemens Business

Architect

Nov 2008 – Oct 2018.

- Managed 20+ engineers at P&R Sierra post Mentor Graphics acquisition, prioritizing innovation.
- Developed web apps in PERL, CGI, PHP & MySQL for release monitoring, enabling QoR comparison.
- Advanced to Architect Product Validation, enhancing product quality & performance.
- Oversaw software engineering, QA, and production support for timely releases and quality maintenance.
- Directed team hiring, training, and mentoring, focusing on innovation.
- Coordinated R&D efforts to enhance release Quality of Results.
- Led remote teams, ensuring effective QA processes.
- Implemented proactive app monitoring and change control processes.
- Designed advanced web interfaces for Results comparison, improving test automation.
- Delivered Nitro/Olympus releases on time, every two months.
- Developed pre-release software testing infrastructure and CGI-PERL scripts at customer sites.

Blaze DFM

Operations Lead

Feb 2006 – Nov 2008

- Designed QoR system using CGI-PERL and web interfaces for major releases.
- Implemented quality improvement processes with 300+ QoR tests in regression.
- Integrated Aprio's test infrastructure into Blaze for QA nightly suites.
- Developed Perl/Tcl scripts for automated verification and release gating plans.
- Contributed to 65nm and 90nm benchmarks, showcasing leakage savings.
- Wrote BlazeMO User Manual and managed product release and quality.
- Developed demos for DAC and Synopsys PrimeTime in Blaze MultiMode.

OKI Semiconductor**Staff CAD Engineer**

Nov 2003 – Feb 2006

- Conducted feasibility studies on EDA tools, updated OKI flows based on findings and presented results to staff.
- Benchmark-tested Apache RedHawk and Cadence VoltageStorm DG, presenting findings to executive staff.
- Provided support for GGT GoPower power router, verifying bugs before insertion into Pegasus flow.
- Utilized Synopsys PrimeTime for STA, verifying SDC constraints and timing reports for SOCE flow.
- Developed and delivered basic STA training for AEs and CAD engineers.
- Contributed to various tape-outs, focusing on optimization and timing closure.

Cadence Design Systems**Product Engineer**

April 1996 – July 2003

- Enhanced product quality and usability at Ambit-DA post Cadence acquisition by developing flow-level tests in Static Timing, Synthesis, and Place and Route features through cross-team collaboration.
- Conducted training sessions for new hires in STA and contributed to PRS planning.
- Provided extensive product and customer support for BuildGates STA and Distributed Synthesis products.
- Developed over 1500 tests for new STA features in the Godzilla release and supported Distributed BGPKS runs.
- Collaborated with PM on Ambit's release model and provided technical support to cross-functional PV teams.
- Led XRunner training classes and automated UI test cases.
- Received special achievement awards in November 1996 and August 1996.