

Roy W. Gero II

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EXPERIENCE

Advanced Software Engineer

Oct 2024 - Present

Siemens Digital Industries Software | Waltham, MA

- Develop core functionality for NX Composites, a native application within Siemens NX, contributing to product innovation and stability.
- Mentor new team members, promoting knowledge transfer, onboarding efficiency, and team cohesion.
- Serve as project lead on key initiatives, driving technical innovation and strategic improvements within Composites.
- Represent the Composites team in cross-product collaborations, ensuring alignment and integration across Siemens NX tools.
- Led the DevOps team to improve internal development workflows, enhancing automation, communication, and tooling adoption.
- Manage and maintain essential development infrastructure, including Jenkins, PMEase QuickBuild, Atlassian Jira, and Fisheye, supporting the productivity of a global engineering team.

Software Engineer

Feb 2020 - Oct 2024

Siemens Digital Industries Software | Waltham, MA

- Served as a core contributor on a small Agile team building NX Composites, a native application within Siemens NX.
- Managed the lifecycle of test data and results, ensuring transparency and effective communication with stakeholders.
- Designed, developed, and launched a web-based catalog to organize and provide access to internal test models.
- Acted as lead developer for a composites forming engine, overseeing its core functionality, testing framework, and supporting infrastructure.
- Administered and maintained critical development systems, including Jenkins, PMEase QuickBuild, Atlassian Jira, and Fisheye.

Advanced Project Test Engineer

Feb 2014 - Feb 2020

Siemens Digital Industries Software | Waltham, MA

- Validated new features and functionality on a small Agile team for Fibersim and Mastertrim
- Assisted with the creation, adoption, and maintenance of a unit test framework utilizing C++, Perl, and Python 3
- Wrote manual regression tests, training materials, release notes, and other customer facing documentation
- Performed product demonstrations and customer trainings to audiences of all different skill levels

Applications Engineer

June 2010 - Feb 2014

Siemens Digital Industries Software | Waltham, MA

- Performed regression testing on Fibersim and Mastertrim
- Developed pre-sale benchmarks, trainings and presentations for various products
- Worked closely with multiple teams to identify and triage issues that were reported by customers
- Provided phone and email support to customers using Siemens products

EDUCATION

University of Massachusetts, Amherst | Bachelor of Science in Mechanical Engineering

SKILLS

Python, C#, C++, JavaScript, Typescript, Java, React, React Native, ASP.net, Django, MySQL, SQLite, MongoDB, Postgres, Git, Sourcetree, SmartSVN, PMEase Quickbuild, VMWare vSphere, Atlassian Jira, Atlassian Fisheye, Docker, AWS, Godot, Unity, Unreal Engine 5, Blender