

Position Description

Senior Software Engineer



BUSINESS UNIT	Product Development
REGION	Asia Pacific, Pune, India
REPORTS TO	Software Engineering Manager
DIRECT REPORTS	N/A

About Energy Exemplar

Energy Exemplar is the global market leader in the technology of optimization-based energy market simulation. Our software suite, headlined by PLEXOS and Aurora, is used across every region of the world for a wide range of applications, from short-term analysis to long-term planning studies.

Driven by the frenetic pace of advancements in computing technology and mathematical algorithms, our people continually think of novel approaches and more realistic simulations that enhance decision making, create market opportunities that benefit us all and enable utilities and regulatory authorities to become smarter, more energy efficient and profitable.

Energy Exemplar continues to 'push the envelope', being first-to-market with the latest advances in mathematical programming and energy market simulation theory, as it strives to offer the most comprehensive simulation software to its customer base. Development continues to be headquartered in Adelaide, South Australia, led by Glenn Drayton and backed by a team with expertise in software development, operations research, economics, mathematics, statistics, and electrical engineering.

Our Core Values

CUSTOMER SUCCESS

- Solve the problems that matter
- Deliver solutions that drive outcomes
- Customers' success drives our business success.

ONE GLOBAL TEAM

- A place where everyone can do their best work
- Passionate about making a positive impact
- Collaborate, communicate and act as one team

INTEGRITY & OWNERSHIP

- Take ownership and be accountable for outcomes
- Value spirited debate then align behind decisions
- Operate at the highest standards

INNOVATION EXCELLENCE

- Frontrunners – relentlessly pursuing innovation and excellence
- Foster idea generation at all levels
- Create the future by pushing the boundaries of today

About the Role

Reporting to the Software Engineering Manager as a member of the Development team at IDC, the Principal Software Engineer is responsible for delivering quality and performant software and design to handle the vast array of use cases that our customers have today.

This role is responsible for Developing Software Solutions by learning information needs, discussing with managers, studying systems flow, data usage, finding problem areas and coming up with solutions & following the software development lifecycle.

Responsibilities:

- Responsible for technical development of multiple projects & products
- Working on data structures & algorithms, time & space complexity, OOPs
- Transforming Logic to Code
- Designing and developing UI front end Technologies.
- Working on web application development
- Developing products by using different technologies
- Doing optimization of Code
- Working on Debugging and fixing Cross Browser Compatibility issues and Optimization for web by using best practices
- Making sure that Web applications are secure
- DevOps transformation using Agile and SCRUM methodologies.
- Provide recommendations for continuous improvement.
- Assisting in the integration of technical and application components
- Work alongside other team members & Leaders to elevate technology and consistently apply best practices.
- Responsible for providing smart & applicable solutions for complex problems/ blockers
- Supports and mentor junior team members by providing advice, coaching & solutions for blockers

Qualifications, Skills & Experiences

- 6+ plus years' experience in product development field with hands on experience.
- Strong knowledge in OOPS with .Net, C# or relevant technologies with SQL Server or any RDBMS
- Hands on experience in design and development on UI front end Technologies.
- Good exposure to web application development using HTML 5, CSS3 ,Bootstrap, JavaScript.
- Experience in development of Angular 4+, VueJS or React.
- Expertise in Responsive web design, HTML5, and CSS pre-processors
- Strong in JavaScript (object oriented concepts) & JavaScript optimization
- Strong logical, analytics and problem-solving skills
- Must be able to work effectively across team boundaries.
- Attention to details
- Ability to work independently
- Strong oral and written communication skills
- Working knowledge of CI/CD pipelines and AWS/Azure cloud services is essential
- Hands on experience of building products for unix systems in addition to windows is good to have
- Very good communicator

Education:

- Engineering graduate or higher from Tier I or Tier II colleges.

Key Stakeholder Relationships

This role works collaboratively with all Energy Exemplar staff, particularly:

- Indian Development Centre colleagues
- Senior IDC Management
- Chief Product Officer
- Global Product Delivery Team
- Global Product Development Team
- Global Support Team