



## Engineering Applications Developer

This software development position creates and maintains automated BIM solutions for 3D models & 2D drawings as well as coordinates and manages models.

### Essential Functions and Responsibilities

- API programming using Visual Studio, Microsoft C#.net, Dynamo, Python etc. to automate and maintain functional scripts and add-ins within a customized Revit and other construction software platforms
- Research and extract parametric information from model databases
- Content Development with a focus on parametric customization
- Maintain software and versioning custom applications and add-ins per release year upgrade(s) thru required maintenance
- Provide support to other platform customizations (e.g. BIM 360, Navisworks, AutoCAD)
- Responsible for decision making, direction, and management of project models. Perform model development as well as lifecycle model maintenance

### Requirements

- 3+ years working on C#.net and related technologies
- Experience with C++, Python strongly desired
- Active participant in plugin development for engineering applications (AutoCAD, Revit etc.) for at least last 3 years
- Strong object-oriented analysis and design skills required
- Strong knowledge of Autodesk software suite, Dynamo, Forge API and other construction industry software tools
- Familiar with PLM/PDM tools and methodology.

### General

- Ability to multi-task
- Ability to work in a collaborative team environment
- Strong communication (oral and written) and interpersonal skills required to interact with colleagues and internal customers.
- Excellent at troubleshooting issues
- Ability to develop productive business relationships with internal team members through cooperation, courtesy and professionalism



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- Ability to play an integral part in project delivery given tight constraints and uncompromising quality
  - Motivated to identify and develop solutions leveraging best practices
  - Proficiency with Microsoft Office suite
  - Contributes to intellectual capital and building technical expertise for the firm
  - Capable of explaining complex technical issues to clients and internal resources

### **Education**

Bachelor's or Master's degree in Computer Science/Information technology or related field.

Equivalent academic and work experience can be considered.

### **About vConstruct and SSC:**

**vConstruct** is a wholly owned subsidiary of DPR Construction and specializes in providing high quality Building Information Modeling and Construction Technology services geared towards construction projects. vConstruct presently constitutes of four business units: 1. Virtual Designing and Construction 2. Project Admin Services 3. Software Solutions for Construction 4. Accounting Services for Projects

Core Values of vConstruct are:

- Integrity is Integral
- People are Pivotal
- Ever Forward Spirit

**Software Solutions for Construction** Business Unit specializes in providing high quality, innovative technology solutions to business problems in the construction industry. Our vision is to transform the construction business using existing and emerging technologies like Internet of Things (IOT), Building Information Modeling (BIM), Augmented Reality (AR) and Virtual Reality (VR).

We specialize in software solutions utilizing Microsoft technology stack such as SharePoint, ASP.NET, SQL Server, Microsoft Reporting Services and Azure. Our range of services vary from providing integration and automation solutions for Oracle-based Enterprise Architecture platforms to developing Mobile/Web Apps

### **About DPR Construction:**

DPR Construction is a national commercial general contractor and construction manager specializing in technically challenging and sustainable projects for the advanced technology, biopharmaceutical, corporate office, and higher education and healthcare markets. With the purpose of building great things—great teams, great buildings, great relationships—DPR is a truly great company. For more information, please visit [www.dpr.com](http://www.dpr.com).