

Saurabh S Jha

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Summary

Challenge the existing paradigm of siloed project delivery within the AEC Industry. Utilize current and emerging technologies to enhance project team communications to best service clients and design/build teams. Champion integrated project delivery methods to reduce design schedules and increase construction velocity.

Current Profile

Saurabh is advance level BIM user and implementor throughout WeWork. Saurabh has been promoted as BIM expert & VDC Lead within a short period of time due to his efficiency and deliverance of BIM as standard practice. Saurabh is fluent with Revit, Rhino, ArchiCAD, COBie, clash detection software like Navisworks, energy simulation software like Design builder, ecotect. Using standards templates and advance tips and tricks to provide Fastrack solution to various BIM related issues in projects helped Bentel achieving Objectives and goal quickly and Qualitatively.

Specialties

Parametric design solution Organic architecture and their mathematic interpretation using software scripting Architectural software development includes rhino scripting, grasshopper coding. Energy simulation tools like design builder, e-quest, ecotect. BIM tools include Autodesk Revit, Graph iSOFT ArchiCAD.

Experience



Design Technology Lead

Nov 2018 - Present

WeWork

- execute all project tasks related to technology, digital assets, and ensure quality data for construction.
- act as strategic champions for process and innovation within Wework.
- assist in the development and support of a cross-trained team who are well-versed across project planning, visualization, reality capture, data science, business intelligence, constructability, cost analysis, coordination, model fidelity, construction project management and field solutions.
- responsible for preconstruction scopes, including model-based quantity survey for cost management to drive capex metrics into contractor negotiations.



Architect

Mar 2017 - Oct 2018

Bentel Associates International (Pty) Ltd

- Understanding Project Requirements and BIM Workflow from the Manager.
- Modelling as per the Level of Detailing (LOD) and scope of work.
- Understanding technical requirements to be used to complete the assigned work.
- Completion of work within the assigned Project Hours.
- Rendering views for project presentations.
- Create and update records of specification and drawings as per project requirements.
- Checking as per standard requirement of Clint and achieve the deadlines of project.

- Extract Material quantities & schedules in Revit Architecture.
- Work with team to generate shop drawings.
- Coordination with clients on drawings submittal & comments if any.



Visiting Lecturer

Mar 2017 - Oct 2017

Kamla Raheja Vidyanidhi Institute of Architecture and Environmental Studies

Developed, in collaboration with industry and facilities management department, an experimental Building Information Modeling (BIM) course offered summer, 2017; piloted and integrated the use of BIM in existing classes through the development of teaching modules and homework assignments



Architect, BIM Coordinator

Nov 2016 - Mar 2017

Sanderson Group

As a BIM Coordinator with Sanderson i was working in a fast-paced construction environment driving exceptional quality and service for Abu Dhabi 1 billion \$ WB theme park. Specific

Responsibilities will include:

- Review 3D Models from consultants and contractors
- Conduct clash detection and visual walkthroughs using NavisWorks Manage
- Audit and review models in Autodesk Revit
- Hold weekly coordination meetings with project team members
- Early design review and constructability analysis
- Manage / Update BIM Project Documents
- 3D Model Quantity Extraction / Verification
- 4D Scheduling / Simulation using Autodesk NavisWork



Architect , BIM Coordinator & BIM Expert

Aug 2013 - Nov 2016

Dar Al-Handasah (Shair and Partners)

- Worked in conceptual design development of airport in Angola.
- Worked in conceptual and tender design stage for multi billion project in medina • Supervised in various design stage for office building in Angola.

• Coordination with multi-disciplinary branches.

Working as Architect, Model coordinator on various ongoing international projects.

Responsibilities include

Develop, implement and maintain the BIM standard for specific project

- Create and maintain a BIM workflow model that is aligned with the Project.
- Establish BIM workshops and report progress at the Project Design Team meetings.
- Keep a record of BIM models and their status including model health checks
- Keep a record of transfers of element ownership i.e. columns transferring from the Architect to the Structural Engineer.
- Establish quality control procedures to check that all of the models are accurate, warning checking and the level of detail
- Identify and document clashes between different discipline models using clash detection software like Naviswork
- Ensure that each organization has published a version of the model for each significant milestone stage i.e. weekly publish as identified in the BIM workflow for project.
- Record and monitor shared data and relationships between models e.g. grids, floor levels, shared project coordinates.
- Identify and agree any co-located or shared technical infrastructure needs, software package interoperability requirements and standards to be used by each team member to deliver BIM project like different departments like transportation Landscape etc.

Other responsibly as A BIM officer including suggestion of plugin and other template to insure easy workflow, researching on standards and latest technical advancement in field of BIM, establishing workshop on application of BIM through various field of construction industry



Research Intern

Apr 2012 - Jun 2012

Central Building Research Institute (CBRI), Roorkee, Uttarakhand (India)

Research on comparative analysis of simulated data and reported data of prototype building in Roorkee as well as housing prototype at leh-ladakh region. Research includes simulation of energy load using software like ecotect design builder ,e-quest. Collection of data from instrument installed in building. Comparing data and showcasing using data charts. Filling conclusive report on study of material, climate, and site component of building. Suggestion on construction which would make building more energy efficient.



Architect & Model coordinator

Aug 2010 - Aug 2011

ARCOP Associates Pvt. Ltd.

Worked as an Architect and model coordinator on various project varying from apartments to shopping malls. Responsibilities included conceptual design drawing shadow analysis using software like ecotect. Tender drawings for submission in various authorities. Working drawing including detailed drawing, finishing schedules etc.



Architectural Intern

Feb 2009 - Jun 2009

Ashwin Alva Associates

Education



Indian Institute of Technology, Roorkee

2011 - 2013

Masters, Architecture, 8.4

Development of Parametric Design Software

Developed state of art plugin called DADA to provide solution for bi-directional constraints of energy modelling and structural modelling simultaneously



Madhav Institute of Technology and Science, Gwalior

2005 - 2010

B.Arch., Architecture, 74%

My thesis was about zero energy architecture, which generate by parametric design in grasshopper. The process to generate zero energy architecture starts from parametric organic design method, which is the connection between parameter, technique and research. The initial point is the analysis of biological logic to find a suitable logic which respond to energy generating process. The design process uses logic as a tool to create technique, which use for generate zero energy building

Skills



Revit • Dynamo • Rhino • Grasshopper Script • Architecture • Sustainable Design • Building Information Modeling (BIM) • Energy Simulation • Navisworks • Python • Design builder

Honors & Awards



1st Prize Textura • IIT Roorkee • Mar 2008



10 Pointer • IIT Roorkee • 2013

Achieved 10 out of 10 in final thesis

Recommendation

(linkedin recommendation)



Antony kumar Boity
Professor, Research
Coordinator at Lovely
Professional University

November 16, 2017, Antony
kumar worked with Saurabh S but
at different companies

Saurabh is a wonderful person to work with. He has has worked with me in several projects and he comes across as a person, who understands the need of the hour and responds with required initiative and responsibility. He has in depth knowledge in BIM that he not only utilises to improve his skills but shares with others as well.



Yogesh Mundhe
Structural Engineer/ BIM
Specialist/ BIM Consultant/
BIM Trainer

April 1, 2017, Saurabh S worked
with Yogesh in the same group

It was pleasure to work with Saurabh. He is one of Architect I ever seen who thinks always out the box. He is self motivated, enthusiastic, always ready to accept new challenges. Saurabh having a good understanding about Architecture Design and BIM process.



Hazim Azami
BIM Manager at Sanderson
International Theme L.L.C

March 15, 2017, Hazim managed
Saurabh S directly

saurabh- he is a BIM genius. he contributed much to our team goals and targets and his performance was proven to be among the most effective in our team even though he's only working for us only for a short period. everything is possible working with him. he could perform all of assigned tasks effectively. he was a motivated, devoted, professional, hard working and innovative person. highly recommended! 👍

Publication

Providing Design Solution Through Parametric Design Software
Publication date Oct 1, 2013 Publication IIA

Earthquake Architecture
Publication date Oct 2008 Publication MITS Gwalior

Sustainable Village
Publication date Dec 23, 2007 Publication Infrastructure management for new world order

Modern Architecture
Publication date Dec 2007 Publication Infrastructure Management for New World Order

Gwalior City: A History
Publication date Dec 2005 publication Infrastructure Management for New World Order and System

Projects

4D Neighborhood development, South AL-Mithila, Kuwait

Apr 2018 – Present



- Work in team of five on various type of building i.e. Police Station Mosques, Community Center etc.
- Develop Dynamo Script for automation of various tasks
- Developing Architectural Revit Template.
- Developing of Architectural Revit Families.
- Documentation using Revit (Schematic Design)
- Providing Internal REVIT training

One on Whitely, Melrose Arch, Johannesburg

Mar 2016 – Dec 2017



5-star Hotel developed for JW Marriot in Melrose Arch

Responsibilities:

- Development of BIM model for Inter and Intra trade coordination.
- Preparation of Construction stage drawings and details for 7 storied high hotel building.
- Resolution of Inter and Intra trade clashes for smooth execution on site.

Warner Bros. World™ Abu Dhabi

Oct 2016 – Mar 2017



As a BIM Coordinator with Sanderson i was working in a fast-paced construction environment driving exceptional quality and service for Abu Dhabi 1 billion \$ WB theme park. Specific Responsibilities will include:

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- 4D Scheduling / Simulation using Autodesk Navisworks

Dubai Arena, Dubai

Aug 2016 – 2017



A stunning new 20,000-seater indoor arena is to be built right in the heart of Dubai. Nestled right next to City Walk, the Dubai Arena is expected to be completed within two years. Likely to house mega music concerts and other entertainment events, it will be the biggest venue of its kind in the UAE.

Responsibilities:

- Create three-dimensional building information modeling and two-dimensional construction documentation using BIM software
- Participate in the design process and develop alternative solutions and presentation graphics used to communicate concepts to the client and for municipal approval
- Review shop drawing sets and submittals sets during the construction phase
- Provide assistance and support in order to maintain BIM best practices and enforce the use of Standards and workflows.

Ministry of Finance Office Tower, Luanda, Angola

May 2014 – Aug 2016



45,000 sqm facility 18 storied high to accommodate Multiple departments of Ministry of Finance, Angola.

- Resolving Space planning issues of received Concept design from External Consultant.
- Preparation of BIM Implementation plan with trades to develop Multi-disciplinary BIM model.
- Managing team of multiple architects and designers and tracking progress for timely delivery of project deliverables.
- Preparation of BIM Model for interdepartmental coordination.
- Conducting Clash Detection in Navisworks to avoid design errors.
- Tracking progress with Construction on-site and handling RFI's.

Madinah Hajj City

Aug 2013 – 2016

35-acre Multi-Typology Building project containing Hotel, Apartment building, Shopping Mall, Private Villas, Convention Center, Exhibition area, health care center and Mosque.

- Preparation of working drawings for Apartment building and Basement floors.
- Preparation of detail drawings.



- Intra-Departmental Coordination.
- Preparation of feasibility report for LEED silver certification.

National Guards Health Affairs Specialized Hospitals, Taif/Qassim

2015 – 2016



- Perform clash detection for design and trade coordination
- Participate in clash detection/coordination meetings with designers and on site
- Assist BIM Manager with project specific BIM execution planning
- Produce site plans, animations, safety plans and 2D sketches
- Provide assistance to project teams using BIM models as required
- Assist group with BIM related requirements

NAS Arena indoor futsal and volleyball stadium, Dubai

Oct 2014 – Oct 2014



NAS Arena indoor futsal and volleyball stadium, Dubai is designed for the seating capacity of 5840, to host international/ local tournaments, to have friendly games, Training and Exhibition tournaments for internationally renowned players. It is designed to host Futsal, Volleyball, Basketball, Badminton, Boxing, Fencing, Judo, Karate, Tennis, Handball, Gymnastics etc.

- Responsible for the Design development, construction documentation and architectural supervision on site for the Envelope of the project.
- Review and coordinate workshop meetings with consultants, designers and builders using BIM technologies.
- Set up, maintain and enforce the use of standards and workflows of BIM processes project wide.
- Management of BIM Models from different designers for cross- discipline coordination and clash detection
- Participate in the design process and develop alternative solutions and presentation graphics used to communicate concepts to the client and third parties.

Shell Office Building, Lagos, Nigeria

Sep 2013 – Jun 2014



- Preparation of presentations drawings for client approval.
- Managing team of multiple architects and designers and tracking progress for timely delivery of project deliverables.
- Conducting Quality procedures such as Design Safety and review and Inter-departmental checking to ensure implementation of design and engineering intent.
- Preparation of BIM Model for interdepartmental coordination.
- Conducting Clash Detection in Navisworks to avoid design errors.
- Preparation of Sustainable building report.
- Tracking progress with Construction on-site and handling RFI's.

New airport for M/Banza congo, Angola

2013 – 2014



Worked on master planning and concept design study. The study was done to identify the specific airport facility layout requirements for the New M'banza Congo Airport that will be located in NKIENDE II. The study was associated with the following:

- Terminal planning and design in compliance with IATA ADRM 9 and developing a design brief accordingly.
- Airfield (Runway, Taxiway, Navigational and Lighting Aids)
- Runway length• Runway Approach Protection and Obstacle Clearance
- Passenger Terminal Building and associated apron
- Cargo Development (airside ramp, building, landside operations area and access)
- Airport Maintenance Facility• Air Traffic Control Tower• Airport Fire Fighting Stations • Aircraft Fuel Farm• Police Station• Perimeter Security Fence• Ground Access Elements • Future Expansion Areas

MGF EMAAR housing at sector 144 ,Gurgaon

Aug 2010 – Apr 2011

- Production of 3D study models and presentation drawings.
- Develop design sketches and building details.
- Produce permit drawing set in conformance with building code and municipal zoning bylaws.
- Coordinate Architectural drawings with consultants (Structural, Mechanical, Electrical, Graphic Design etc.)
- Coordinate specifications with drawings and selected materials and finishes.



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