

Vihan Armani Rad

ARCHITECT | BIM & SCAN-TO-BIM | DIGITAL SURVEY

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Iranian nationality · Available to relocate to Lugano / Canton Ticino



PROFESSIONAL PROFILE

Architect with over 15 years of experience in design, coordination, construction supervision and BIM. Specialised in digital surveying and Scan-to-BIM workflows for existing buildings, from 3D laser scanning and point-cloud management to modelling in Autodesk Revit. Experience across more than 100 recent projects and residential, hospitality, commercial and large-scale developments. Proficient in Revit, Dynamo, Navisworks Manage, ReCap, AutoCAD, and modelling and visualisation tools.

KEY COMPETENCIES

BIM & Scan-to-BIM Revit · ReCap · Dynamo · Navisworks	Digital survey FARO 3D laser scanning · Point clouds	Design Architecture · Detailed design · As-built
Coordination 5D BIM · Project teams · Disciplines	CAD / 3D AutoCAD · Rhino/Grasshopper · SketchUp	Visualisation Lumion · V-Ray · Adobe Suite

PROFESSIONAL EXPERIENCE

APR 2022 - PRESENT

Technical collaborator - Digital survey, Scan-to-BIM and modelling

Studio Mariani | Rome, Italy

- Contributed to more than 100 projects involving digital surveying, as-built documentation and modelling of existing buildings.
- Architectural surveys using FARO 3D laser scanners; point-cloud acquisition, processing and management.
- Scan-to-BIM workflows with Autodesk ReCap and Revit: importing point clouds, geometric verification and BIM reconstruction of existing conditions.
- Key project - Valentino building, Piazza di Spagna, Rome: integration of more than 2,055 laser scans into a coordinated dataset, followed by complete modelling of the building in Revit.

NOV 2019 - FEB 2022

Architect / Project lead and 5D BIM lead

Independent practice | Iran / international projects

- Design and construction supervision for residential projects, renovations, hospitality and cultural facilities.
- Architectural discipline oversight for a sulphuric-acid industrial plant in Bandar Abbas.
- International projects including a residence in Toronto, a school proposal in Africa and work on diplomatic buildings.

MAY - NOV 2019

Head of design / 5D BIM

EKBATAN - Architecture Studio | Tehran, Iran

- Design leadership and 5D BIM coordination for residential and commercial complexes and villas in several Iranian cities.
- Design coordination and BIM production management on multidisciplinary projects.

EARLIER PROFESSIONAL EXPERIENCE

MAR 2016 - MAY 2019

Head of design / Construction supervision / 5D BIM

Independent practice | Iran

- Responsibility for design, coordination and construction supervision across a broad portfolio of residential, commercial, industrial, hospitality and interior design projects.
- Management of design practices and teams, integrating 5D BIM processes and monitoring design progress.
- Projects included residential and commercial complexes, villas, cinemas, industrial facilities and proposals for infrastructure and universities.

DEC 2012 - MAR 2016

Head of design

RAZAHANG - Consulting Engineers | Tehran, Iran

- Design and construction supervision of 13- and 11-storey residential towers in Tehran.
- Architectural design of buildings for a 1,000 MW power plant in Kahnootj, and commercial, office and industrial complexes.
- Design coordination and development of architectural solutions from concept through technical design.

2005 - 2010

Early design experience

Architectural practices / Collaboration with Dr Irag Shahrouz Tehrani | Iran

- Design assistance and development of architectural projects, including the Birjand Water Museum and a recreational complex in Hamedan.

EDUCATION

2024

Master's degree in Landscape Architecture

Sapienza University of Rome - Rome, Italy

2007 - 2009

BA in Architecture

University of Qom - Iran

2004 - 2007

Technical education in architecture / surveying

Shahid Mohajer - Isfahan, Iran

TOOLS, LANGUAGES AND RECOGNITION

SOFTWARE & TECHNOLOGIES

- BIM: Revit, Dynamo, Navisworks Manage, ReCap
- Survey: FARO 3D laser scanning, point clouds, Scan-to-BIM
- CAD/3D: AutoCAD 2D, SketchUp, Rhino, Grasshopper, Fusion 360
- Visualisation: Lumion, V-Ray, Photoshop, InDesign, Illustrator
- Other: Insight 360, MS Office, Python (basic), C++ (basic)

LANGUAGES

- Persian - native
- Italian - C1
- English - B1 comprehension; A1 spoken/written production

RECOGNITION & ACTIVITIES

- Winner of the competition for Bank Karafarin façade designs in Iran.
- Recognition in the Tabriz Metro station competition.
- Jury member in a university architecture competition in Hamedan.
- Translation of architecture and landscape publications, with a biennial award for translation.

MANAGEMENT SKILLS

- Leadership and coordination of design teams
- 5D BIM management and multidisciplinary coordination
- Construction supervision and technical project oversight