

Christopher Marandi

BIM Project Manager · BIM Lead · Registered Architect (CA/2018/91627)

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PROFESSIONAL SUMMARY

Registered Architect (Council of Architecture, India) with **9 years** delivering large-scale projects across three regions — the Middle East, the United States and Australia — spanning mixed-use residential, super-regional retail, acute-care healthcare, aviation, education, sports and leisure, commercial interiors and national exhibition architecture. Currently **BIM Lead on a 13-tower residential masterplan** for a Dubai-based client, leading a team of six and setting the delivery framework, worksharing strategy and QA/QC standards. Experience runs from Schematic Design through Construction Documentation and Permit/Bid, with deep multidisciplinary coordination and clash detection across all ASMEP disciplines. Fluent in regional codes including QCS, IBC/IPC, QCD Civil Defence, NFPA and ADA/ADAAG. Builds in-house Revit automation through AI-assisted development, now in production use across the studio.

CORE PROFICIENCY

BIM ●●●●●●●●●● 9/10 Revit ●●●●●●●●●● 9/10 ACC Workflows ●●●●●●●●●● 8/10 Navisworks ●●●●●●●●●● 8/10

SELECTED PROJECTS

MIDDLE EAST

Yafour 963 (Cham Line) Residential Towers — Mixed-Use Residential Masterplan Yafour, Syria · Client: Archcorp, Dubai
~330,000 m² BUA · 13 towers / 5 prototype typologies · ~1,822 parking spaces · ~USD 100–140M · Ongoing

BIM Lead, Concept Design through Design Development, leading a team of six. Thirteen towers of basement + ground + 11–12 levels (~42.7 m) over a shared basement, organised around central landscaped spines with six entry drop-offs on a sloping site. Established the federated model and worksharing strategy, restructured core and shell ownership between master and level models to eliminate editing conflicts, and executed a global level shift across all models under live worksharing without loss of coordination. Issued A2 progress sets via Autodesk Construction Cloud against same-day deadlines with direct client liaison; deployed automation enforcing the project BEP family naming convention.

Deira Mall — Super-Regional Retail Deira Islands, Dubai, UAE · Client: Nakheel
10.3M ft² site · ~4.5M ft² GLA · ~1,000 units · ~8,400 parking bays

Schematic Design through Construction Documentation for what will be the largest gross leasable area of any mall in Dubai on completion. Three retail levels beneath a retractable glass atrium roof, with cinema, anchor stores, hypermarket and family entertainment centre — the centrepiece of the Deira Boulevard waterfront development.

Jeddah Corniche Towers — Mixed-Use Residential Jeddah, Saudi Arabia · Architect: U+A · Client: HALJ
~261,700 m² GFA · 2 towers × 59 floors · 56 residential levels over 3 retail/commercial

Schematic Design through Construction Documentation for a landmark waterfront development designed around a concept of extended-family living — a lushly planted podium, a rooftop Sky Palace using a mashrabiya pattern of gravel bed and skylights, and a minimally detailed Sky Garden overlooking the Corniche.

UAE Pavilion, Expo 2020 Dubai — National Pavilion, Cultural / Civic Dubai, UAE · Design architect: Santiago Calatrava
~15,000 m² · largest national pavilion on site · LEED Platinum target

Schematic Design and Design Development through Construction Documentation. Falcon-inspired form with 28 operable carbon-fibre roof wings and a 12 m oculus doubling as smoke extraction, wrapped around a faceted sphere housing a 200-seat auditorium, with exhibition halls, F&B outlets and VIP lounges. Sited facing Al Wasl Plaza.

The Wathnan Equestrian Complex — Sports & Leisure Doha, Qatar
~20,421 m² built area · 2 indoor arenas, 3 buildings, 1 underpass tunnel · ~USD 55–70M

100% Schematic Design (Architecture) for a barrel-vaulted 5,711 m² indoor competition arena, 3,763 m² warm-up arena, 5,541 m² VIP clubhouse, rider's facilities and vehicular underpass within a landscaped campus. Designed to QCS 2014, IBC/IPC 2024, QCD Civil Defence 2024, NFPA 101/5000/1/220, ASME A17.1 and ADA/ADAAG 2010, with arena planning to FEI requirements for Dressage and Jumping.

Raffles World Academy — Education, K-12 International School

Umm Suqeim 3, Dubai, UAE

~30,000 m² campus · ~1,800 students, ages 3–18 · IB World School

Schematic Design through Construction Documentation for a purpose-built two-building campus with a 500-seat auditorium, two swimming pools, full-size soccer field, sports hall and courts, three atria, specialist science and computer laboratories, design and technology lab, art and music rooms, dance and black box studios.

UNITED STATES

Kaiser Permanente Sunnyside Medical Center — Healthcare, New Acute-Care Tower

Clackamas, Oregon

615,000 ft² · 7 storeys · LEED Gold target · Groundbreaking April 2026, opening 2029 · Ongoing

Schematic Design and Design Development, currently in Construction Documentation, for what will be the **first fully electric hospital in Oregon** — built on the east side of the campus while the existing hospital remains fully operational. Private patient rooms, expanded emergency capacity and telemedicine infrastructure. Travelled to Los Angeles to work alongside the design team.

Scripps Mercy Medical Center — Healthcare, Acute-Care Replacement Tower

4077 Fifth Ave, San Diego, California

710,000 ft² · 12-storey tower, 3 levels below grade · Completion 2027

Schematic Design through Construction Documentation and Permit/Bid for a seismically sound replacement tower running from Lower Level 3 to a Level 13 helistop, with predominantly private patient rooms and central energy plant upgrades. BIM management focused on seismic structural coordination and MEP integration, plus a full set of room-type mockups.

Kaiser Permanente San Marcos Hospital — Healthcare, Medical Centre

400 Craven Rd, San Marcos, California

433,230 GSF · 206 beds · 51 emergency bays, 8 ORs, 2 IR suites · LEED Gold · Completed 2023

Interiors — interior elevation packages for public and support spaces, nurse stations, corridors, front- and back-of-house areas, patient rooms and toilet rooms, working closely with the designer to translate design intent into coordinated documentation. Design drew on local lakes and mountains around a theme of "points of discovery".

Miami Dolphins — Jet Aviation Hangars — Aviation, FBO and Border Facility

Opa-locka Executive Airport, Miami-Dade County, Florida

~70,000 ft² · 5 hangars in phases · Phase 1: 44,320 ft² hangar, 8,800 ft² FBO, 5,070 ft² US CBP facility

Schematic Design through Construction Documentation for a phased aviation facility at one of the busiest business aviation airports in the US. Pre-engineered metal structure with IMP striated panels and high-end modern finishes throughout the FBO and tenant areas.

420 Carroll Street — Mixed-Use Residential, Two-Tower Waterfront

Gowanus, Brooklyn, New York · FXCollaborative

2 towers of 21 and 16 storeys · 360 units, 25% affordable · ~USD 295M · LEED Platinum target

Architectural core and shell, Schematic Design through Construction Documentation. The first multi-housing project delivered under the 2021 Gowanus rezoning, on a trapezoidal waterfront plot along the Gowanus Canal, with a publicly accessible canal promenade and the towers linked by a subterranean amenity tunnel.

Commercial Interiors, New York & Virginia — Institutional and Class A Office

New York, NY · Richmond, VA

Federal Reserve Bank of New York (Markets Group) · 545 Madison Avenue, floors 4–6 · 2910 N Arthur Ashe Blvd

Interiors, Schematic Design through Construction Documentation across three commercial fit-outs: the Federal Reserve Bank of New York's Markets Group workplace; floors 4–6 of 545 Madison Avenue, a LEED Gold Core and Shell boutique office in the Plaza District; and the adaptive reuse of a former Greyhound bus station in Richmond's Scott's Addition TOD district.

AUSTRALIA

Park Sydney — Stage 1 (Buildings B & C) — Mixed-Use Residential

Erskineville NSW

27,874 m² combined · 2 × 8-storey buildings · 330 apartments · 5,000 m² retail · LOD 300 · Ongoing

Schematic Design through Construction Documentation, including Development Approval drawings and tender documentation. Buildings B and C — Botany and Cascade — with studio to three-bedroom apartments above a retail precinct anchored by a 1,600 m² Woolworths Metro. Angled balconies maximise privacy while admitting daylight and providing shading.

Cooma Hospital and Health Service Redevelopment — Healthcare, Regional Hospital

Cooma NSW · Health Infrastructure NSW

AUD 26.5M+ · staged extension and refurbishment across two campus blocks

Schematic Design through Construction Documentation for an expanded Emergency Department, new Maternity Department, Ambulatory Care Centre, pathology laboratory and upgraded medical imaging — **delivered in a live clinical environment** with the hospital remaining fully operational throughout.

Exchange, Greater Curtin — Student Accommodation

Curtin University, Bentley campus, Perth WA

~AUD 500M precinct · 518-bed building · 6 Star Green Star — Communities

Schematic Design through Construction Documentation to IFC. The first project delivered under Curtin University's Greater Curtin Master Plan, conceived as an innovation hub bringing research, industry and community together on the Bentley campus.

WORK EXPERIENCE

2024 – Present

BIM Project Manager

Studio Parametric Architecture India Pvt. Ltd., Bangalore

- Lead multidisciplinary teams delivering large-scale mixed-use, retail, education and healthcare projects in Revit, with 100% client satisfaction across 15+ high-value developments; currently six direct reports.
- Drive 20% gains in project efficiency through optimised resource allocation and complex technical design decisions.
- Build and deploy in-house Revit automation using AI-assisted development — defining requirements, directing the build, then testing, debugging and deploying — including an AI-integrated Revit plugin/server with ~120 automation tools across 11 domains, and routines enforcing BEP and QA/QC standards.
- Developed a Drawing QC Analyzer application automating drawing-set quality checks with structured, exportable reports.
- Author the studio's AI-to-BIM research programme; restructured its BIM mentorship and probation framework for leadership. Scored 92.5/100 in the most recent annual competency appraisal.

2022 – 2023

BIM Team Lead

Studio Parametric Architects, Bangalore

- Directed BIM strategies for 20+ global projects, boosting overall delivery performance by 15%.
- Facilitated clash detection and resolution across structural and MEP disciplines using Navisworks for 10+ complex projects.

2021 – 2022

BIM Architect (Level 2)

Studio Parametric Architects India Pvt. Ltd., Bangalore

- Increased project execution efficiency by 20% through advanced BIM implementation and Revit automation.
- Produced construction documents and interior technical packages across healthcare, education and mixed-use facilities; resolved 50+ critical clashes prior to construction.

2019 – 2021

BIM Architect (Level 1)

Studio Parametric Architects India Pvt. Ltd., Bangalore

- Developed architectural drawings and 3D Revit models from schematic design through construction documentation for 10+ international projects.
- Generated complex BIM schedules and material takeoffs, reducing drafting errors by 15%.

2017 – 2019

Junior Architect

Studio Parametric Architects India Pvt. Ltd., Bangalore

- Drafted permit drawings and tender documentation for 15+ residential and commercial projects; created visualisations for client presentations.

EDUCATION, CERTIFICATION & SKILLS

Bachelor of Architecture (B.Arch)

National Institute of Technology, Tiruchirappalli (NIT Trichy) — 2012–2017

Registered Architect, Council of Architecture (India) — CA/2018/91627

Autodesk Revit Architecture Certified Professional — 2017

Languages — English, Hindi, Tamil, Bengali

BIM & Modelling — Autodesk Revit, Navisworks, BIM 360 / Autodesk Construction Cloud, SketchUp

Automation — AI-assisted development of Revit plugins and automation routines; LLM-assisted BIM workflows; Model Context Protocol (MCP) integration

Visualisation — Enscape, Lumion, Adobe Creative Suite

Codes — QCS, IBC/IPC, QCD Civil Defence, NFPA, ADA/ADAAG

Core competencies — Construction Documentation · Architectural Detailing · BIM Execution Planning · ISO 19650 Information Management · QA/QC Governance · Multidisciplinary Coordination · Clash Detection (ASMEP) · Project Management

Mobility — Open to relocation. Valid US B1/B2 visa, which qualifies Indian passport holders for a 14-day UAE visa on arrival.