

Mohanan Ramani

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Personal Profile

A highly motivated and detail-oriented Designer/Draughtsman with extensive experience in façade, curtain wall, window, and door systems. Adept at working under pressure, meeting tight deadlines, and delivering high-quality technical drawings for fabrication and installation. Proficient in AutoCAD 2D & 3D, Autodesk Inventor, and industry-specific software (SchüCal & LogiKal). A strong communicator with a proactive approach to problem-solving and a keen eye for design accuracy.

Key Skills & Competencies

Software Expertise

- AutoCAD (2D & 3D), Autodesk Inventor, Athena, SchuCal, LogiKal & MS Office Suite (Excel, Word, PowerPoint)

Façade & Glazing Systems

- Extensive experience with Schüco, Reynaers, Aluprof, Comar, Sapa, and other leading systems.

Project Coordination

- Experienced in new build and refurbishment projects, ensuring seamless execution.

Material Knowledge

- Strong understanding of glass, coatings, finishes, and aluminum extrusion profiles.

Precision & Quality

- Ability to produce detailed material lists, cutting sheets, and schedules for procurement and manufacturing.

PROFESSIONAL
EXPERIENCE

Ramani Designs Ltd (UK)
Facade Designer / Director

May.2024 - Present

- Concept design and detailed 2D/3D drawing production using AutoCAD and Autodesk Inventor.
- Preparation of fabrication, installation, and workshop drawings for curtain walls, doors, windows, and bespoke cladding systems.
- Development of as-built documentation, precise schedules, material lists, and cutting sheets.
- End-to-end project management from design approval to final installation.

Senior Design Engineer - Remote (Full-Time)
Vision Arch, Cambridge, United Kingdom

May.2022 - Apr.2024

- Chancery House (May.2022 - Oct.2022): Designed ground floor entrance door and window GA & fabrication drawings.
- Met Building (Oct 2022 - Feb 2023): Developed rooftop terrace bespoke cladding, feature wall, louvre, and brise soleil using Autodesk Inventor 3D models.
- Botanic Gardens Edinburgh (Feb 2023 - Aug 2023): Produced shaped/curved glass drawings and schedules based on site-measured templates.
- Princess Street (Aug 2023 - Apr 2024): Created curtain wall, door & revolving door designs, fabrication drawings, and schedules.

Designer (Contract)
SAS International, Reading, United Kingdom

Nov.2020 - Mar.2024

- Developed Inventor models and assemblies for manufacturing.
- Created GA, fabrication, and installation drawings using AutoCAD.

Projects:

- Bank Underground Station
- Crossrail Paddington
- Islington Angel Shopping Centre

Designer

Apr.2018 - Sep.2020

Lindner Facades Ltd, Putney Bridge

- Produced GA, fabrication/workshop, installation, and detail drawings.
- Developed concept designs using Autodesk Inventor.
- Managed material lists and documentation.

Projects:

- 1 Finsbury Avenue
- 250 City Road
- P2 Kings Cross

Design CAD Draughtsperson

Aug.2015 - Apr.2018

Structura UK Ltd, Chessington, United Kingdom

- Delivered tender, GA, fabrication/workshop, and detail drawings using AutoCAD & Inventor.
- Conducted site surveys and maintained technical documentation.

Projects:

- Fulham Reach Market Suite
- Essex House - Southend
- Newbury Business Park
- 184-192 Bermondsey Street
- 181-183 Warwick Road
- NPL Teddington.

Assistant Designer

Aug.2015 - Apr.2018

Lakesmere Group Ltd, Reading, United Kingdom

- Produced curtain wall, cladding, door, and window drawings, sections, and fabrication details.
- Project: London Bridge - TfL Ticket Office.

Project Draughtsman

Aug.2014 - May.2015

Fleetwood Architectural Aluminium, Slough,
United Kingdom

- Designed curtain wall, door, and window drawings.
- Managed bills of materials and drawing registers.
- Liaised with architects to resolve technical issues.

Projects:

- The Greenwich Square (Reynaers Curtain Wall System)
- The Deptford Project (Ground Floor Doors, Panels, Curtain walling, Lift screens, etc.)
- Battersea Dogs & Cats Home (Doors, Windows, Fixed lights, etc.)

Trainee Draughtsman

Feb.2014 - AUG.2014

Fleetwood Architectural Aluminium, Slough,
United Kingdom

Draughtsman/CAD Technician

Apr.2013 - Feb.2014

Keeran Designs Ltd, London, United Kingdom

- Prepared and modified detailed drawings for planning permission, building control, and regulatory requirements.
- Conducted site surveys.

Draughtsperson/Technical Assistant

Jan.2009 - Mar.2010

United Nations Office for Project Services,
Sri Lanka

- Conducted detailed surveys and prepared AutoCAD drawings.
- Assisted in report and cost estimate preparation for drainage projects.

Trainee Draughtsman
Irrigation Department, Sri Lanka

Jun.2008 - Dec.2008

- Hand-plotted the longitudinal and cross sections of channels using tracing sheets and Indian ink, and prepared the associated cutting sheets.
- Produced cost estimates for irrigation projects.
- Developed detailed irrigation structure and building plans using both hand-drawn techniques and AutoCAD.

EDUCATION

City & Guilds Level 3 Award in 3D Computer-Aided Design

Waltham Forest College, London, United Kingdom

Nov.2012 - May.2013

BTEC HND in Computing

City College, London, United Kingdom

Apr.2010 - May.2013

National Certificate in Engineering Draughtsmanship (Equivalent BTEC Level 3)
Technical College, Sri Lanka

Jun.2007 - Jun.2008

G.C.E A/Level
TOVC, Sri Lanka

Jan.2004 - Dec.2006

G.C.E O/Level
TOVC, Sri Lanka

Jan.2003 - Dec.2003

Training & Professional Development

Schüco Systems & Software:

- Introduction to SchüCal & LogiKal
- Schüco AWS/ADS order manual (GQA)
- Schüco Curtain Walling & Sliding Systems Theory (GQA)

Technical & Software Training:

- Autodesk Inventor & Vault Administration (Aug 2016)
- Transition from SolidWorks to Inventor (Jul 2016)
- AutoCAD Update Training (Aug 2016)

Health & Safety & Compliance:

- Fire Awareness CPD
- Manual Handling & Safe Work at Height
- CSCS Certification
- Asbestos Awareness CPD
- Fire Marshall Training

Professional Summary

A highly experienced Façade Designer with a proven ability to create detailed technical drawings, 3D models, and fabrication documentation for complex architectural and glazing projects. Proficient in industry-leading software and well-versed in material selection, compliance standards, and project documentation. A dedicated professional who thrives in fast-paced environments, collaborating effectively with engineers, architects, and project teams to deliver high-quality results.