

Michael Blenkinsop

Founder and Software Engineer

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Professional profile

Founder and developer of Lift Planner Pro, bringing CAD, crane modelling, rigging and lift-plan documentation into a connected software workspace. Focused on practical engineering workflows, manufacturer data, usable drawing output and product improvements. LPP Master course instructor developing project-based software learning material.

Professional experience

Lift Planner Pro | Founder and Software Engineer | Current

- Direct product requirements and AI-assisted development across the website, desktop workflow, object library and engineering drawing tools.
- Translate lifting and rigging workflow needs into model import, equipment configuration, connection editing, project storage and drawing-sheet features.
- Coordinate software debugging, release verification and production updates, including responsive account pages and model-to-rigging handoffs.
- Develop LPP Master learning material around practical projects, revision resources, knowledge checks and instructor-reviewed evidence.

Selected project work

- Engineering drawings: site plot plans, crane elevations, outrigger layouts, load and tackle sketches, working-radius annotations, drawing text presets and selective sheet printing.
- Plant and BIM workflows: parametric tanks, columns, flare stacks and steel assemblies; IFC model exchange; model dimensions, mass and centre-of-gravity records.
- Rigging equipment library: manufacturer-referenced chain blocks, lifting beams, shackles and eyebolts, with configuration limits, lifting-point seating and traceable source documents.
- Connected planning: object-to-rigging editing, tandem-lift workflow requirements, project persistence, public professional profiles and equipment submission guidance.

Skills

Product requirements; AI-assisted software development; CAD workflow design; parametric modelling workflows; BIM and IFC coordination; manufacturer technical-data research; lift-plan documentation; rigging sketches; 3D visualisation; drawing layouts; user-experience review; software testing and release coordination.

Technical environment: TypeScript, JavaScript, React, Next.js, Three.js, WebGL, Node.js, Prisma, PostgreSQL, Vitest, Git and Linux VPS hosting.

Professional services

2D CAD drawings; 3D CAD modelling; lift-plan documentation; lift simulation; rigging sketches; route-planning documentation.