# Felipe Moreira Salas, M.S.

NL (+31) 6 82 04 71 32 • felipe.moreiras796@gmail.com • linkedin.com/in/felipemore96 • felipe-moreira.com

## BIM Software Developer | Construction Specialist | Civil Engineer

Versatile Software Developer with a strong foundation in construction management and expertise in Building Information Modeling (BIM). A proactive problem solver, quick to learn, and capable of driving innovation through web applications development. Skilled in JavaScript/TypeScript, Python and SQL and tools such as Vue.js, React.js, Tailwind, and That Open Engine. Backed by a proven track record in the construction industry, excelling in contract management, quality control, and team leadership. Fluent in English, Spanish, and Portuguese. Eager to contribute my skills to a forward-thinking company, optimizing processes and enhancing operational efficiency.

## EDUCATION

### Master BIM Software Developer
**That Open Company**                                                             Sep 2024

### BIM A+ European Master in Building Information Modelling
**University of Ljubljana, Slovenia & University of Minho, Portugal**             Sep 2023

Graduation project: AR-enhanced collaborative environment for Facility Management supported by OpenBIM

### Bachelor's Degree in Civil Engineering with Specialization
**Universidad de Costa Rica**                                                    Jan 2021

Graduation project: Hydraulic testing in Costa Rica's National Laboratory of Engineering

## WORK EXPERIENCE

### BIM Software Developer - Remote • Full-time                        Jan 2024 - Aug 2024
**APOGEA Consulting** • Malaga, Spain

- Identified and corrected errors in existing BIM applications, ensuring software integrity and optimizing user experience.
- Development of BIM applications from scratch, using technologies like Vue.js and Tailwind CSS to create intuitive and high-performance interfaces.
- Collaborator in the development team led by Antonio Gonzales, contributing to the design and implementation of new tools for That Open Engine.
- Responsible for implementing the latest functionalities and techniques learned during the BIM Software Developer Master program, continuously enhancing the quality and innovation of developed products.
- Communicator and active collaborator in remote teams, participating in meetings and discussions to share ideas, solve problems, and improve the workflow of the BIM development team.

### Construction Specialist - Remote • Full-time                       Feb 2022 - Sep 2022
**Amherst - MainStreet Renewal** • Heredia, Costa Rica

- Managed vendor contracts for the Dallas, Nashville, and Salt Lake City markets, ensuring smooth operations and timely project delivery.
- Successfully adjusted budgets and updated contracts for 10+ weekly projects, maintaining direct communication with a diverse network of 40+ vendors.
- Resolved escalated construction management issues swiftly, maintaining project continuity and client satisfaction under tight deadlines.

- Gained exposure to industry tools like Revit and IFC, enhancing understanding of project data handling and construction documentation workflows.
- Demonstrated adaptability and multitasking skills in a high-pressure environment, balancing multiple responsibilities to meet project goals.

**Civil Project Engineer** • Full-time                                    Apr 2021 - Jan 2022

**CasaMax Inmobiliaria** • San Jose, Costa Rica
- Oversaw the construction process, closure, and handover of multiple condominium projects, ensuring on-time completion and client satisfaction.
- Conducted thorough quality inspections on various structures, including houses, swimming pools, clubhouses, treatment plants, lag ponds, retaining walls, fences, roads, and underground nettings to ensure compliance with rainwater, sanitary, and drinking water management standards.
- Managed 10+ contracts weekly, closely monitoring progress and promptly addressing any arrears.
- Acquired valuable skills in inspection, personnel management, quality control, and customer service, contributing to project success.
- Demonstrated effective conflict resolution skills, fostering a productive work environment and resolving issues promptly.

## PROJECTS

### Master Project: Web-based Application to Manage BIM Projects
Master BIM Software Developer

Developed a comprehensive web application to manage projects and teams using React components and a Firebase database. Integrated an IFC viewer using the That Open Engine library to interact with building models and project data in real-time.

### Thesis: AR-enhanced collaborative environment for Facility Management supported by OpenBIM
BIM A+ European Master

Created an AR-based application to integrate BIM with AR, enhancing collaboration and productivity in construction by leveraging WebXR with IFC.

### Interactive Portfolio
felipe-moreira.com

Developed a personal CV website using React, TypeScript, and Tailwind. The app features dynamic sorting and filtering for skills, work history, and projects, retrieved from JSON files, along with a responsive design across devices.

## CERTIFICATIONS

### React.js Essential Training by Eve Porcello

### SQL Essential Training by Walter Shields

### Portuguese Language - Levels A1 & A2 by PortuguêsAlia

## SKILLS

- **Programming Skills :** JavaScript/TypeScript, Tailwind, React.js, That Open Engine, Python, SQL, Vue.js, Three.js
- **BIM/Construction Skills:** AutoCAD, Revit, Dynamo, MS Project, Navisworks