**BRENNAN LECLAIR**

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Portfolio: <https://brennan-leclair.herokuapp.com/>

**Software Developer**

***Leading Innovative Change in Project Management to Advance Business & Process Development Initiatives.***

Proficient and resourceful Software Developer, Project Manager and Preconstruction Manager with 8+ years of extensive industry experience providing cutting-edge solutions in the design, engineering, and construction sectors. Analytical and practical-minded, adept at identifying opportunities for improvement, implementing changes, and measuring the impact of those changes. Exceptionally competent management specialist equipped with unmatched competencies in project plan implementation and mechanical design management. Exemplified integrity, accountability, and solid work ethic with an excellent grasp of project management methodologies to nurture productive collaborations and achieve optimal results. A focused leader in adopting new tools and techniques that improve data management and boost inter-departmental collaboration.

**TECHNICAL SKILLS**

Problem-Solving, Pseudocode, HTML5, Cascading Style Sheets (CSS), Javascript, ES6, Command Line, Developer Tools (Elements, Console, Network, Sources, Application, etc), Bootstrap, Web API, jQuery, Server Side API, Third Party API, Momentjs, indexDB, Insomnia / Postman, AJAX, Fetch, JSON, Git, GitHub, Node.js, Express.js, Rest API, Serverside Templating (Handlebars.js), Heroku, Express Sessions, bcrypt, JWT Javascript Web Token, Relational Databases, MySQL, Sequelize ORM, Non-Relational Databases, Mongo DB, Mongoose ODM, Object-oriented Programming (OOP), Imperative Programming, Declarative Programming, TDD, Unit Testing w/ JEST, React, React Hooks, JSX, Data Structures and Algorithms, Frontend Development, Backend Development, Full Stack Development, Performance, Webpack, PWA, Apollo GraphQL, Context API, MERN Stack, Stripe API, Redux, Lisp, VBA .COD, Dynamo, C#, Python, AutoCAD, Revit, Fabrication CADmep, CAMduct, Design Line, APL, Glue, Navis, Bluebeam, A360 Field, A360 Docs, Procore, Box, Trimble, Lidar, Matterport, Microsoft Word, PowerPoint, Outlook, Excel

**CORE** **COMPETENCIES**

MERN Fullstack Software Development | Project Management | Project Planning | BIM Management | Strategic Planning | Project Execution | Cost & Quality Control | Mechanical Drafting & Detailing | Schedule Management | Change Management | Shop Fabrication | Mechanical Engineering Design | Project Lifecycle | Inventory Controls | Profit and Loss Management | Resource Maintenance | Program Planning | Vendor Management | Staff Coordination | Executive Leadership | Interpersonal Skills | Excellent Communication Skills

**PROFESSIONAL EXPERIENCE**

**ASSOCIATE MECHANICAL CONTRACTORS (AMC) ⬩ San Diego, CA**

***Project/Preconstruction Manager |*** *Jun 2020 – Feb 2022*

* Write scripts for Autodesk software using Lisp, VB, and Dynamo to improve BIM departmental efficiencies.
* Develop Sharepoint architecture, introduce Microsoft Teams, manage Active Directory, and maintain tiered cloud security and permission protocols for company wide inter/intra-departmental communication.
* Develop intricate and comprehensive spreadsheets to govern workflow process for both operations and estimating standards.
* Provide direction and consulting services for commercial scale mechanical engineering design and constructability review.
* Direct preconstruction activities, budget estimates, and staffing requirements in accordance with the defined project scoping and scheduling; prepare periodic status reports to communicate project scopes and ensure project safety.
* Manage estimating, engineering, and preconstruction activities for increased operations efficiency, facilitating supported business development objectives by satisfying key metric across the company.
* Lead program budgets assembly and program management with minimal guidance; coordinate with the project team in establishing comprehensive budget estimates and schedules incorporating operations standards.
* Identify and report risks by blending design and construction phases while developing cost estimates and other RFP deliverables.
* Utilize Building Information Modeling (BIM) to design 3D modeling concepts that will streamline a facility’s mechanical systems, creating quality systems and costs savings.
* Monitor blueprint version accuracies using tables and smartphones, allowing for verification of field systems during installation.
* Develop collaborative synergy established with the design teams, optimizing overall project operations and workflow by implementing M365 architecture, spreadsheets, and other latest project management and design software.

***Assistant Project Manager |*** *Dec 2019 – Jun 2020*

* Provided strategic support in driving business goals, overseeing programs, projects, and operations to boost business scalability for construction and project closeout phases of a development project.
* Assisted in developing project plans and effective management, driving project completion within timelines, quality, and budgets using a collaborative approach for projects that allow for innovation and add value to the project.
* Accomplished budgetary objectives and project constraints based on financial analysis by examining the challenges of critical environments, return on investment, energy costs, constructability, etc.
* Monitored the overall progress of projects by ensuring the use of sound construction practices and utilizing different verification techniques to make appropriate changes to the project scope.
* Collaborated with engineers to help expedite the completion of drawings, provide constructability and accessibility solutions, and offer enhancements to the system's operational performance with sustainable efficiency.

**A.O REED & CO. ⬩ San Diego, CA**

***BIM/VDC Database Manager/Mechanical CAD Detailer |*** *Dec 2014 – Nov 2019*

* Write scripts for Autodesk software using Lisp, VBA, and Dynamo to improve BIM departmental efficiencies.
* Write programs for Autodesk software using Lisp, VB and C#.NET (referencing Fabrication libraries).
* Develop intricate and comprehensive spreadsheets to govern workflow process for BIM operational standards.
* Produced detailed constructible shop drawings based on contract documents, design criteria, and instructions using sensible and strategic practices to maximize productivity throughout all phases of the construction process.
* Interacted with clients to understand their specific BIM/VDC requirements to ensure smooth BIM workflows throughout the entire project duration, from contract-award stage to final handover of BIM deliverables.
* Implemented custom software solutions, using Lisp, VBA and C#.Net, to increase efficiency and productivity within workflow and processes.
* Performed project design activities of building systems from schematic design through construction applying BIM principles for complete and accurate drawings and assembling construction packages out of the model.
* Delivered compatible, consistent, and accurate CAD and BIM data to clients in compliance with the BIM Execution Plan.
* Served as the primary point of communication between the project management teams and stakeholders regarding BIM issues.
* Provided leadership to project teams to ensure all developed BIM Execution Plans were maintained during the project process.
* Developed and implemented effective processes, procedures, templates, and innovative model contents for project deliveries.

**ADDITIONAL EXPERIENCE**

**Elfin Forest/Harmony Grove Fire Department ⬩ Escondido, CA**

***Firefighter/EMT |*** *Jan 2008 – Dec 2013*

* Maintained current level of emergency medication and firefighting knowledge to mediate on community emergency calls.
* Utilized experience and technical knowledge effectively, allowing for enhanced crew capabilities, fire protection, preparedness, planning, organization, diverse background experience, and critical ingenuity metrics.
* Delivered crew supervision, technical expertise, accountability, and knowledge of safe work practices; provided support to Engine Boss to ensure high-quality workflows and directions to crew.

**EDUCATION & PROFESSIONAL DEVELOPMENT**

**FULL STACK CODING BOOTCAMP**, June 2022 (Expected)

UC Berkley – Berkley, CA

**BACHELOR’S DEGREE IN BUSINESS & PROJECT MANAGEMENT**, June 2020

Ashford University – Chandler, AZ

**SHEET METAL APPRENTICESHIP,** June 2019

Palomar College – San Marcos, CA

**COURSEWORK: FIRE SCIENCE, EMERGENCY MEDICAL SERVICES, EMERGENCY MANAGEMENT**

Palomar College – San Marcos, CA