**BRENNAN LECLAIR**

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**TARGET ROLE: Software Developer**

***Developing High-performing, Scalable Software Systems to Provide World-class Technology Solutions.***

Flexible and driven professional with 8+ years of extensive industry experience providing innovative solutions in the design, engineering, and construction sectors. Knowledgeable in numerous front-end & back-end languages, relational and non-relational databases, best code organizational practices, APIs and frameworks. Versed in all aspects of the software development lifecycle and end-to-end project management, from concept development to delivery. Equipped with a diverse skillset and an exceptional capacity to identify, evaluate, and understand client needs and provide effective technical solutions. Leveraging a proven track record of efficiency, professionalism, and success in various projects.

**CORE COMPETENCIES**

Software Development | Project Management | Programming | Problem-Solving | Software Architectures | Data Management | Data Structures and Algorithms | Frontend Development | Backend Development | Full Stack Development | Server-Side Templating | Imperative Programming | Declarative Programming | Pseudocode | Relational/Non-Relational Databases | Object-Oriented Programming | Test Driven Development | Unit Testing | Leadership | Excellent Communication Skills

**TECHNICAL SKILLS**

**Software Development**: HTML5, CSS, JavaScript, ES6, Command Line, Bootstrap, Tailwind, DaisyUI, Bulma, Web API, jQuery, Server-Side API, Third Party API, Moment.js, Day.js, IndexedDB API, Insomnia, Postman, AJAX, Fetch, JSON, SASS, GitHub, Node.js, Express.js, Rest API, Handlebars.js, Heroku, Express Session, bcrypt, Javascript Web Token (JWT), MySQL, Sequelize ORM, Mongo DB, Mongoose ODM, React, React Hooks, JSX, Webpack, PWA, Apollo GraphQL, Context API, MERN Stack, Stripe API, Redux, C#.NET, Lisp, VBA, Dynamo

**Additional**: Sage 300 Construction & Real Estate, AutoCAD, Revit, Fabrication CADmep, CAMduct, Design Line, Autodesk Point Layout, BIM 360 Glue, Navis, Bluebeam, Procore, Azure AD, Trimble, Lidar, Matterport, Microsoft Office (Word, Excel, Outlook, Project, Powerpoint)

**RELEVANT SKILLS**

**OPERATIONAL EXCELLENCE**

Monitor processes and provide technical support to boost long-term business success and enhance company plans and productivity. Enforce and optimize internal business policies to maintain efficiency and responsiveness to demand.

**SOFTWARE, SYSTEM DEVELOPMENT, & PROGRAMMING**

Developed and deployed scripts for Autodesk software using Lisp, VB, and Dynamo to improve BIM departmental efficiencies. Created programs for Autodesk software using Lisp, VB and C#.NET (referencing Fabrication libraries).

**PROFESSIONAL EXPERIENCE**

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

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

* Establish SharePoint architecture, introduce Microsoft Teams, manage Active Directory, and maintain tiered cloud security and permission protocols to optimize communication companywide.
* Create intricate and comprehensive spreadsheets to govern the workflow process for both operations and estimating standards.
* Optimize overall project operations and workflow by implementing M365 architecture, spreadsheets, and templates for various project management and design software.
* Direct preconstruction activities, budget estimates, design patterns, and staffing requirements in accordance with project scope and schedule; prepare periodic status reports to communicate project scopes and ensure project safety.
* Manage projects, technical planning, estimating, and engineering for increased operations efficiency, facilitating supported business development objectives by satisfying key metric across the company.
* Manage implementation of Building Information Modeling (BIM) to design digital twin models with respect to mechanical systems.

***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*

* Completed and applied scripts for Autodesk software using Lisp, VBA, and Dynamo to improve BIM departmental efficiencies; created programs for Autodesk software using Lisp, VB, and C#.NET.
* Implemented intricate and comprehensive spreadsheets to govern the workflow process for BIM operational standards.
* 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.
* 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.
* 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.

**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.
* Implemented comprehensive spreadsheets to govern the workflow process for training and operational standards.

**EDUCATION & PROFESSIONAL DEVELOPMENT**

**FULL STACK CODING BOOTCAMP,** Jun 2022

UC Berkley Ext – Berkley, CA

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

Ashford University – Chandler, AZ

**SHEET METAL APPRENTICESHIP,** Jun 2019

Palomar College – San Marcos, CA

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

Palomar College – San Marcos, CA

**CERTIFICATIONS & LICENSES**

**FULL STACK CODING BOOTCAMP**

UC Berkeley Ext - Full Stack Developer