

# SHANE FREEBOURN

ARCHITECT | DESIGN SYSTEMS LEAD | OPTIMIZER

Columbus, Ohio

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[github.com/ArchRefactor](https://github.com/ArchRefactor)

Licensed RA | NCARB Certified

*"I treat home design as a series of adaptable, repeatable configurations. I specialize in bridging the gap between architectural rigor and automated building logic, leveraging version-controlled Design Systems to enable residential design at scale."*

## SYSTEM-MINDED PROFESSIONAL EXPERIENCE

### Bob Webb Homes

Nov 2021 – Apr 2025

ARCHITECT & OPERATIONS LEAD (PRODUCT LIFECYCLE)

COLUMBUS, OH

- Managed the end-to-end lifecycle for an **\$18M** development, shifting workflow from custom one-offs to **repeatable, pre-vetted design families**.
- Orchestrated **90% of all permitting/AHJ submissions**; developed systematic processes for navigating regional code variations across multiple municipalities.
- Authored land-use proposals and "Pocket Neighborhood" conceptualizations to maximize lot yield through optimized configuration logic.

### exp

June 2019 – Oct 2021

ARCHITECT / BIM SPECIALIST (SYSTEMS INTEGRATION)

REMOTE OPERATION

- Led BIM coordination for **Mission Critical Data Center** rehabs, integrating complex engineering systems into high-fidelity Revit environments.
- Implemented **office-wide BIM standards** and documentation templates that increased production efficiency by **20%+**.
- Managed multidisciplinary coordination (6+ team members) under high-security, technical accuracy requirements.

### msConsultants

Sept 2016 – June 2019

ARCHITECTURAL DESIGNER (PROTOTYPE  
ROLLOUTS)

YOUNGSTOWN / COLUMBUS,  
OH

- Executed large-scale **corporate rollouts (ALDI)**, applying prototype standards to unique site conditions while maintaining absolute documentation consistency.
- Developed technical CD sets for expedited design/build projects requiring real-time coordination with on-site construction leads.

## THE OPTIMIZER FACTOR (CASE STUDIES)

### Independent Systems Strategy

2018 – Present

FOUNDER & CFO (OPERATIONS AUTOMATION)

REMOTE

Applied parametric design thinking to automate business operations for an independent record label.

- GitHub/Version Control:** Leveraging repo-based workflows (ArchRefactor) to document and iterate on architectural Design Systems.
- Computational Logic:** Built an automated ingestion engine using **Excel** and **Power Query** to reduce a manual multi-week process to **hours**.

## CREDENTIALS

Registered Architect

OH (2021) & SC (2023)

NCARB Certified

National Portability

## PRODUCT TOOLKIT

### BIM & AUTOMATION

Revit (Expert)

GitHub (Version Control)

Excel / Power Query Logic

Computational Thinking

### SYSTEM ARCHITECTURE

Normalized Standards

Modular Configuration

Regional Code Adaptability

Value Engineering

### LEADERSHIP

AHJ / Permitting Strategy

Goal-Oriented Autonomy

Stakeholder Management

## EDUCATION

### Master of Architecture

The Ohio State University

### BS in Architecture

Kent State University

## INDUSTRIOUS ORIGINS

From age 7 tailoring assistant to age 11 paper route logistics manager, my identity is defined by a **founding-team grit** and a lifelong standard of technical industriousness.