

# 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.