

Julian Ware

(703) 581-9423 | julaenw@gmail.com | github.com/caesarbrahh

EDUCATION

Virginia Tech

Bachelor of Science in Construction Engineering

Blacksburg, VA

Aug. 2021 – May 2025

Boot.dev

Backend Development Pathway

Online

2026

TECHNICAL PROJECTS

Terminal Coding Agent | *Python, Gemini API*

- Built a lightweight autonomous coding agent in Python using the Gemini API with structured tool/function calling and iterative reasoning loops.
- Engineered a sandboxed execution system capable of reading, writing, and running code through dynamically selected filesystem and subprocess tools.
- Designed the agent architecture end-to-end, including conversation memory management, tool schemas, function routing, and secure working-directory isolation.

LockIn: Ranked | *Flutter, Dart, Firebase*

- Built and maintained a full-stack iOS application using Flutter with a Firebase backend
- Diagnosed and corrected logic, performance, and backend issues, deploying updates to maintain system stability during active use
- Achieved 1,800 downloads and generated \$200 in revenue

LAN AI API Server | *Raspberry Pi, Linux, Python*

- Built a LAN-accessible AI inference server on a Raspberry Pi using Ollama to locally host a quantized language model.
- Developed Python clients that communicated with the server over HTTP/JSON, including streaming chat and raw text generation interfaces.
- Explored backend and AI infrastructure concepts including REST APIs, client/server architecture, network interfaces, streaming responses, and local LLM inference.

Laptop Cloud Storage | *Docker, Nextcloud, Tailscale*

- Built a self-hosted personal cloud storage system by deploying Nextcloud in Docker on a personal laptop, transforming it into a server.
- Configured Tailscale networking to securely expose the private cloud environment across devices without traditional port forwarding.

EXPERIENCE

Field Engineer

JLB Partners

Summer 2024, Winter 2025

Centreville, VA

- Collaborated with superintendents and trade partners to coordinate daily operations on a 354-unit multifamily construction project.
- Investigated field issues, documented discrepancies, prepared RFIs, and tracked resolutions to keep projects on schedule.
- Performed site inspections, maintained project documentation, and participated in coordination meetings.

Civil Engineering Intern

Pennoni

Summer 2023

Leesburg, VA

- Developed utility and grading plans in Civil 3D for residential development projects.
- Analyzed engineering data, construction documents, and field conditions to identify inconsistencies and support project delivery.

CERTIFICATIONS & TECHNICAL SKILLS

Certifications: CS50P, CS50X, Boot.dev: Backend Pathway

Programming: Javascript, Firebase, Flutter/Dart, Python, C