

David Byrke

Digital Portfolio & GitHub: www.davidbyrke.com

INTRODUCTION

Computer Science student and aspiring **Full Stack Software Engineer** with experience building **internal tools** and automation systems using Python, **Java**, JavaScript, and modern web technologies. Background working in production environments at **AWS** data centers.

EDUCATION

Bachelor of Science - Computer Science (In Progress)

Kennesaw State University - Expected 2027

August 2022 – present

SKILLS

Languages: Java, Python, JavaScript

Frameworks & Web: React, Node.js, REST APIs, Next.js

Tools: Git, VS Code, Vercel, Nginx

Systems: Linux, TCP/IP fundamentals

Other: AI-assisted development (Copilot), OCR/data processing

Certification: CCNA (in progress)

PROJECTS

Onsite Slack Bot (Internal Tooling): Developed a Python-based Slack application to track real-time team locations across data center sites, replacing manual check-ins. Built interactive UI components and backend logic to handle user input and update shared state, enabling real-time visibility across multiple active job sites.

Cabling Tracker with OCR Bulk Import (Asana Integration): Built a Python-based system to automate data center cabling tracking by extracting handwritten data using OCR and performing real-time bulk updates to Asana via its API. Implemented data parsing and validation logic to convert unstructured input into structured task updates, significantly reducing manual entry and improving accuracy of infrastructure tracking.

Full-Stack Portfolio Web Application: Designed and deployed a full-stack web application using Next.js, React, and Tailwind CSS. Implemented dynamic UI components and responsive design, with deployment via Vercel and self-hosted on a Raspberry Pi using Nginx.

2D Java Game Engine: Built a 2D game in Java featuring a custom game loop, collision detection, and entity-based architecture. Demonstrated object-oriented design principles and real-time system behavior.

SteelCo Mobile App Prototype (React Native): Developed a prototype app using React Native to support internal workflows and improve process efficiency.

WORK EXPERIENCE

Data Center Technician (Contract) – Lorien / AWS | Atlanta, GA

March 2026 - present

- Diagnosed and resolved network and system-level issues in production environments supporting large-scale infrastructure.
- Collaborated with engineers to support deployment and integration of distributed systems.
- Worked in high-availability environments with strict uptime and operational requirements.

Draftsman/Designer – SCB Construction Group | Covington, GA

March 2022 - March 2026 (4 years)

- Produced detailed technical documentation using AutoCAD.
- Created 3D renders of architectural projects to provide to clients and help convert leads.
- Collaborated with engineers and project managers to resolve issues.
- Identified and corrected design errors.
- Supported internal IT operations.

Owner/Technician – Dave's Mobile Radio Solutions | Covington, GA

July 2021 – March 2022 (1 year)

- Installed and configured radios, speakers, cameras, and wiring in customer vehicles.
- Diagnosed electrical and connectivity issues to ensure reliable system operation.