

DAVID BYRKE

Digital Portfolio: davidbyrke.com

INTRODUCTION

Computer Science student with hands-on experience building software, embedded systems, and real-world technical projects. Background in **Java development**, hardware/software integration, and problem-solving in fast-paced environments. Currently working in **AWS data center** infrastructure while developing skills in software engineering, networking, and AI-assisted development.

EDUCATION

Bachelor of Science - Computer Science (In Progress)

Kennesaw State University - Expected 2027

August 2022 – present

SKILLS/CERTIFICATIONS

Languages & Development

- Java, Python, JavaScript, C++ (foundational)
- React / React Native & NodeJS (basic)
- Object-Oriented Programming

Systems & Networking

- Linux (command line, basic system navigation)
- TCP/IP fundamentals, ports, IP addressing
- Hardware/software troubleshooting

Certifications

- CCNA (in progress)
- OSHA 30
- First Aid / CPR

Tools & Technologies

- Git, VS Code, Vercel
- AI-assisted development (Copilot)
- AutoCAD, Revit
- Basic experience working with APIs and data flow in application development
- GitHub Copilot for code generation, debugging, and iterative development workflows

Languages

- English (Native)
- Romanian (Native)
- Russian (Advanced)
- Spanish (Intermediate)

PROJECTS

- Designed and deployed a full-stack portfolio using **Next.js** and **Tailwind**, leveraging **AI-assisted development (Copilot)** to accelerate feature development. Deployed via Vercel and self-hosted on Raspberry Pi using Nginx.
- Built a 2D Java game implementing a custom game loop, collision detection, and entity-based interactions, demonstrating real-time systems design and **object-oriented architecture**.
- SteelCo mobile app prototype to support internal workflows using React Native.
- Developed embedded systems projects using Arduino and Raspberry Pi, integrating sensors and automation scripts to interact with physical systems.

WORK EXPERIENCE

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

March 2026 - present

- Troubleshoot network connectivity and hardware issues in production data center environments.
- Support deployment of large-scale infrastructure systems in high-availability environments.
- Work alongside engineering teams to ensure reliable system integration and operation.

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.
- Performed physical hardware installs, cable routing, and device troubleshooting.
- Diagnosed electrical and connectivity issues to ensure reliable system operation.