

# Aubrey Burke

(904)-608-0563 - aubreyburke3@gmail.com - linkedin.com/in/aubreyburke3 - aubrey-burke-portfolio.vercel.app

---

Versatile and motivated Software Engineer with hands-on experience building cloud-native applications, automating backend systems, and delivering robust software using Java, Python, and Azure. Strong foundation in full-stack development, microservices, and CI/CD pipelines. Committed to continuous learning, clear technical communication, and contributing to collaborative engineering teams. Passionate about solving real-world problems through scalable, reliable software.

## EXPERIENCE

---

### Java Cloud Engineer

June 2024 – July 2024

Rocket Partners

Atlanta, GA

- Designed and developed event-driven data pipelines using Azure Functions, Blob Storage, and Queues, automating large-scale data ingestion and real-time monitoring across distributed systems.
- Built and maintained RESTful microservices using Java (Spring Boot), enabling scalable and modular backend architecture aligned with enterprise integration patterns.
- Implemented unit and integration tests with JUnit and Cucumber, achieving high test coverage and ensuring continuous code quality through automated Azure Pipelines CI/CD workflows.
- Diagnosed and resolved production issues by performing root cause analysis with Azure Monitor, SQL, and log aggregation tools, maintaining system reliability in high-availability environments.

### Software Engineer Intern

August 2023 – May 2024

CSX Corporation

Jacksonville, FL

- Developed Python automation scripts and Unix shell utilities to monitor and validate infrastructure systems, cutting manual intervention by 30%.
- Designed a network visualization tool using networkx, aiding lab simulation and performance testing.
- Extracted and transformed operational datasets using SQL, and supported business analytics within Palantir Foundry.
- Collaborated on initiatives focused on process improvement, data reliability, and risk mitigation for enterprise logistics operations.

### Software Engineer Intern

June 2023 – August 2023

Publicis Sapient

Atlanta, GA

- Built a conversational AI chatbot using Google Vertex AI, LangChain, and MongoDB for a real-time hospitality use case.
- Developed a full-stack map-based application using Node.js, TypeScript, and Google Maps API, deployed on GCP.
- Participated in Agile ceremonies, contributed to documentation, and supported integration planning and code delivery cycles.

## EDUCATION

---

### University of North Florida / Florida Southern College

May 2024

Bachelor of Science in Computer Science

- Founding President of Women in Cyber Security at the University of North Florida
- Florida Southern College NCAA Division II Women's basketball

## TECHNICAL SKILLS

---

**Languages & Frameworks:** Java (Spring Boot, Spring Batch), Python, SQL, C, C#, JavaScript, TypeScript, Node.js, Vite, Express.js, React, HTML/CSS

**Cloud & DevOps:** Azure, GCP, Docker, Kubernetes, CI/CD

**Tools & Technologies:** Postman, JUnit, Cucumber, Git, MongoDB, MySQL, Palantir Foundry, IntelliJ, VS Code, JIRA, Confluence, swagger

**Concepts:** Agile/Scrum, Microservices, REST APIs, Batch Processing, Production Support, Scalable Systems, Test Automation, Root Cause Analysis, OOP programming, Algorithms