BRIAN WALKER

ENTRY-LEVEL BACKEND SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Computer Science graduate pursuing entry-level Backend Software Engineer opportunities, with hands-on project experience developing REST APIs, implementing server-side application logic, and integrating databases and cloud services. Experienced with Python, Java, JavaScript, and AWS technologies, including Lambda, API Gateway, DynamoDB, and Cognito. Interested in building secure, scalable backend systems and reliable applications.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript
Backend Development: REST APIs, server-side application logic, API integration
Database: SQL, DynamoDB, MySQL
Cloud Technologies: AWS Lambda, API Gateway, Cognito, DynamoDB, Amplify
Tools and Practices: Git, GitHub, debugging, environment configuration

PROJECTS

NextHaul Moving App | AWS Lambda, API Gateway, DynamoDB, Cognito, Flutter
- Designed a role-based moving-service application for customers, movers, and administrators using AWS-oriented backend services rather than Firebase.
- Worked on Cognito user authentication and role groups, plus Lambda-backed administrative workflows for creating mover accounts and saving user profiles.
- Developed a booking-specific messaging design using API Gateway WebSockets, Lambda, and DynamoDB for message and connection data.
- Structured booking statuses and role-specific workflows to support review, assignment, and move progression.

AWS-Hosted Portfolio Website | Next.js, JavaScript/TypeScript, AWS Amplify, DynamoDB, Amazon SES
- Built and deployed a Next.js portfolio website to AWS Amplify, extending an earlier static portfolio into a cloud-backed application.
- Implemented a contact API route that stores submissions in DynamoDB and supports email notifications through Amazon SES.
- Configured application environment variables and troubleshoot a local environment-file issue to restore successful contact API requests.
- Used CloudWatch logging as part of the planned application observability setup; project also includes plans for a lightweight admin dashboard and analytics.

Focus N Flow | Flutter, Firebase Authentication, Cloud Firestore
- Collaborated on a student study-organizer app with task planning, study groups, room occupancy, and timed study sessions.
- Refactored task-planning data flow to reduce a previously slow load path from roughly 40 seconds to under 1–2 seconds in the tested workflow.

PROFESSIONAL EXPERIENCE

LAZ Parking **Apr 2024 - Present**
Valet
- Provide customer-facing parking and valet service while following site procedures and handling vehicles responsibly.
- Coordinate vehicle flow and customer requests in a fast-paced environment, communicating clearly with customers and team members.

Target **Apr 2021 - Sep 2024**
Tech Consultant
- Helped customers troubleshoot technology products, understand product features, and select solutions for their needs.
- Communicated technical information clearly and supported daily store operations in a customer-facing environment.

EDUCATION

Georgia State University **May 2026**
B.S., Computer Science *Atlanta, GA*
- **Coursework:** Data Structures & Algorithms, Operating Systems, Software Engineering