

Bradley Matera

Junior Data Engineer

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EDUCATION

- Bachelor of Science in Web Development (B.S.), Full Sail University, Winter Park, FL - October 2025
- Cumulative GPA: 3.64
- Relevant Coursework: Interfaces and Usability, Database Systems, Server-Side Languages, Advanced Server-Side Languages, Programming for Web Applications, Deployment of Web Applications, Cloud Application Development, Web Application Integration, Application Integration and Security, Interface Programming, Application Development, Discrete Mathematics
- Activities and societies: Tech Talk Club - Weekly Agile-style standups with classmates to track progress, solve issues, and support each other's projects.
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- Fallen Knight: Requiem of Honor - Game jam project for KAJAM, Dec 2023. Built with classmates and ranked #9 in Artstyle. <https://itch.io/iam/kajam/rate/3114394>

SUMMARY

Junior data engineer with hands-on experience building cloud-based data workflows and infrastructure cost models. My AWS internship provided practical experience with data engineering concepts using AWS services like Lambda, DynamoDB, and S3. I am interested in data extraction, storage, processing, and analysis workflows in cloud environments, with a focus on building reliable and scalable data solutions.

SKILLS

- Data Engineering: AWS Lambda, DynamoDB, S3, serverless architectures, metadata extraction
- Data Analysis: Infrastructure cost modeling, measurable usage metrics, data processing
- Programming: JavaScript, TypeScript, Node.js, SQL fundamentals
- Cloud: AWS Certified Solutions Architect, cloud troubleshooting, networking concepts
- Tools: GitHub, VS Code, Docker, API integration, documentation

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate (SAA-C03), issued July 2025, expires July 2028
- AWS Certified AI Practitioner (AIF-C01), issued August 2025, expires August 2028
- freeCodeCamp JavaScript Algorithms and Data Structures; Responsive Web Design

EXPERIENCE

Cloud Support Engineer Intern - AWS Internship, Seattle, WA

May 2025 - Aug 2025

- Built a serverless metadata extraction workflow using AWS Lambda, DynamoDB, S3, and Amplify, gaining hands-on experience with data engineering concepts like data extraction, storage, and processing in cloud environments.
- Created a transparent infrastructure cost-analysis model using measurable cloud usage metrics, demonstrating data analysis and modeling skills.
- Completed guided troubleshooting labs and technical support exercises involving distributed cloud systems.
- Worked with cloud architecture, AI/ML services, networking concepts, and operational workflows.

Junior Frontend Developer / Freelance Contributor - CIRIS Ethical AI, Remote

Oct 2024 - Jun 2025

- Improved onboarding and setup documentation for new contributors, including environment notes and JWT guidance.
- Added logging around token verification for better debugging and contributed small code updates through merged PRs.
- Created Docker Compose configuration for local development and documented larger ideas as GitHub Issues.
- Worked with AI-assisted coding workflows, debugging, deployment troubleshooting, and API integrations.

SELECTED PROJECTS

- Serverless Metadata Extraction Workflow - Implemented a complete data workflow using AWS Lambda for processing, DynamoDB for storage, and S3 for file storage, demonstrating end-to-end data engineering skills.
- Infrastructure Cost Analysis Model - Developed a data model to analyze cloud usage metrics and calculate costs, applying data analysis and mathematical modeling techniques.

ADDITIONAL EXPERIENCE

Medic - US Army, Ft. Bragg

June 2011 - April 2014

- U.S. Army combat veteran with experience operating under pressure in high-stress environments.
- Developed strong problem-solving skills and attention to detail in critical situations.