

Levi Dawit

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EDUCATION

University of Virginia, School of Engineering and Applied Science

Charlottesville, VA

B.S in Computer Science

May 2026

TECHNICAL SKILLS

Languages/Technologies: Java, C/C++, Python, TypeScript, Swift, JavaScript, SQL, R, HTML/CSS, MATLAB, PyTorch

Frameworks/Libraries: React, React Native, Flutter, Node.js, FastAPI, Flask, JUnit, Pandas, WebSocket, Docker

Cloud Platforms: AWS (Lambda, API Gateway, DynamoDB, S3, Step Functions, Bedrock), Firebase, Google Cloud Platform

Developer Tools: Git, GitHub, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Certifications: AWS Certified Cloud Practitioner, AWS Certified Solutions Architect – Associate

EXPERIENCE

Solutions Architect Intern

May 2025 – Aug 2025

Amazon Web Services (AWS)

Austin, TX

- Built a full-stack **React application** on a **serverless AWS architecture** (Lambda, API Gateway, Step Functions, DynamoDB) to transform raw scraped data into AI-generated social media content, reducing manual content creation by **70%**.
- Designed and automated data ingestion and content pipelines with **AWS SAM** and **CDK**, cutting end-to-end content delivery time from several minutes to under **10 seconds**.
- Integrated **LLMs via Amazon Bedrock APIs** to enable secure, scalable content generation, expanding application capability to support multiple content types and formats.
- Collaborated with engineering teams to review system design, optimizing for **cost efficiency, scalability, and reliability**, which reduced projected monthly operating costs by **35%**.

Software Engineering Intern

May 2024 – Aug 2024

Interstate Moving — Relocation — Logistics

Springfield, VA

- Designed and launched an iOS app using **Swift**, **REST APIs**, and native **iOS frameworks** that allowed drivers to scan and transmit weight tickets, cutting manual data entry time by **30%** and improving accuracy across dispatch operations.
- Integrated real-time data transmission features, ensuring secure and reliable communication between drivers and the dispatch system, which streamlined logistics workflows.
- Collaborated with agents and external partners to gather requirements and validated functionality through iterative testing, resulting in a **high-adoption tool** that reduced reporting errors.

PROJECTS

ScaleScan | React Native, TypeScript, Node.js, Swift, iOS Development, REST API

June 2024 – Aug 2024

- Developed a cross-platform mobile application using React Native and TypeScript that enables drivers to scan weight tickets directly from their phones, reducing manual data entry time by 30% and increasing data accuracy for dispatch.
- Implemented a REST API using Node.js to securely transmit scanned weight data to the dispatch system.
- Optimized image processing to accurately read and extract relevant information from tickets.
- Utilized asynchronous processing for real-time data transmission, ensuring timely updates to the dispatch system.

Social Sage AI | TypeScript, Node.js, AWS Bedrock, Step Functions, DynamoDB, React

May 2025 – Present

- Building a generative AI pipeline to create social media captions and post suggestions using Amazon Bedrock and foundation models (LLMs).
- Designed and deployed a fully serverless backend using AWS Lambda, Step Functions, API Gateway, and DynamoDB to orchestrate data flow from ingestion to response generation.
- Integrated React frontend to allow users to input content prompts and view generated AI results with near real-time latency.
- Emphasized scalability, low-latency inference, and fault-tolerant cloud design while following AWS best practices and Well-Architected principles.