Dagim G Tibebeselassie

US Citizen | DagimT2027@gmail.com | +1 (404)-643-7955 | github.com/DagimTibebeselassie | linkedin.com/in/dagimt

EDUCATION

Georgia Institute of Technology, *B.S. in Computer Science* Dec 2027

- **Threads:** Artificial Intelligence & Systems Architecture
- **Relevant Coursework :** Data Structures & Algorithms, Computer Organization & Programming, Systems & Networking, Intro to Perception & Robotics, Discrete Mathematics

EXPERIENCE

Kerodex - Founder/Software Engineer - kerodexofficial.com |React, TypeScript, Node.js, PostgreSQL, AWS April 2026 – Present

- **Architected and developed** a **full-stack automotive marketplace** using **React, TypeScript, Node.js, and PostgreSQL**, supporting vehicle listings, buyer-seller messaging, authentication, search, verification, and administrative operations
- **Designed and implemented** a **PostgreSQL persistence layer** spanning **15+ runtime tables** and **23+ database indexes** for users, listings, conversations, verification records, analytics, moderation workflows, and immutable audit logs
- **Built an AI-powered vehicle verification system** using **AWS S3**, VIN/code challenge validation, and **OpenAI vision analysis** with confidence-based approval, manual-review fallbacks, idempotent job processing, and VIN-level concurrency controls
- **Implemented secure authentication and platform security** using **PBKDF2-SHA256 password hashing**, Google/Microsoft OAuth, Twilio phone verification, persisted bearer sessions, role-based access control, rate limiting, security headers, and session revocation
- **Developed a five-role administrative platform** supporting listing moderation, fraud investigations, verification review queues, analytics dashboards, audit history, and third-party integrations including MarketCheck VIN decoding, vehicle valuation services, and AWS S3 cloud storage

MORSE Studio Lab, Research Collaborator – Atlanta, GA Jan 2024 – Apr 2024

- **Architected** an **interactive UI** for a **robotic drilling system** using **Python** and **Plotly Dash**, increasing task efficiency by **20%**
- **Collaborated** with a **cross-functional team** to integrate **UI components** with **robotic hardware**, improving system reliability

Best Buy, Sales Advisor – Dunwoody, GA May 2023 – Mar 2025

- **Led a team of 5+ associates** during peak shifts, optimizing workflow and task allocation
- **Exceeded quarterly sales targets by 15%** for **M365** through **mentorship and strategic cross-selling**

PROJECTS

Distributed Backend Systems Architecture – Node.js, REST APIs, CI/CD, AWS - Source GitHub December 2025

- Built a **distributed backend system** with multiple **independently deployable Node.js services**, deployed and tested using AWS infrastructure
- Enforced **service ownership and loose coupling** using separate SQLite databases and HTTP-based inter-service communication
- Implemented **fault isolation** by designing non-critical services to fail independently without impacting core order processing
- Integrated **automated testing and CI/CD pipelines** with Jest and GitHub Actions to validate service behavior prior to AWS deployment

PokeTrade – Pokémon Marketplace Platform - Source Code (GitHub) Feb 2025 – March 2025

- Built a **full-stack marketplace platform** using **React (Vite)** and a **Django** backend with **MySQL**, supporting digital asset listing, trading, and transactions
- Integrated external APIs including **PokeAPI**, **Pokémon TCG API**, and **OpenAI API** to retrieve live data and generate dynamic content
- Implemented **CI/CD pipelines** for automated testing and deployment; deployed the application to **Render** for scalable hosting

GT Movies Store — Front-End Developer - Source Code (GitHub) Jan 2025 – Feb 2025

- Developed a **web-based movie catalog and storefront** using **React** and **Django**, dynamically managing **1,000+ titles**
- Guided development teams in adopting Agile Scrum methodologies, enhancing collaboration and reducing average sprint completion time by 20% to meet critical project deadlines.
- Improved frontend performance and responsiveness through optimization of rendering and asset loading

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, C, C++, HTML/CSS, ARM Assembly
Frameworks & Libraries: React, Node.js, Express, Django REST Framework, TanStack Router, TanStack Query, NumPy, Pandas
Databases: PostgreSQL, MySQL, SQLite
Cloud & Infrastructure: AWS (EC2, S3, IAM, VPC, RDS), Cloudflare, NGINX, PM2, Vercel
APIs & Integration: REST APIs, OpenAI API, OAuth 2.0, Twilio Verify, MarketCheck API, JSON, Postman, Swagger/OpenAPI
Developer Tools: Git, GitHub, GitHub Actions, CI/CD, Linux/Unix, VS Code, PyCharm, IntelliJ IDEA, Android Studio, Jupyter

CERTIFICATIONS

AWS Certified Cloud Practitioner – Foundational, Amazon Web Services (Credly) Jan 2026
National Finalist, YVIP Remix Competition (2023)