

Caleb Bae

baecal000@gmail.com | linkedin.com/in/baecal000 | github.com/balebbae

EDUCATION

University of Texas at Dallas

Bachelor of Arts in Computer Science – GPA: 3.778

ACM UTD | HackUTD, Projects, Technical Interview Prep (TIP), Education, Mentor Mentee

- Developed and maintained HackUTD's HackPortal, used by 1,000+ students annually and at 5+ other hackathons

Richardson, TX

Aug. 2023 – Dec. 2026

EXPERIENCE

Homebase

Sep. 2025 – Dec. 2025

San Francisco, CA

Forward Deployed Software Engineering Intern (AI-Acceleration)

- Owned and shipped Starter Tools for the marketing team (React TS, Vite, Supabase Edge Functions, Netlify), taking five tools from prototype to production, resolving ISP/hosting issues via Netlify, implementing iframe embeds, and productionizing the Bolt Vibecoded experience after a major refactor.
- Major contributor to Batting Cage, an AI-driven sales rep training app (React TS, Ruby Sinatra, PostgreSQL, Stytch, OpenAI SDK, Whisper), adding customer configurations and sliding-window screen sharing that streams compressed frames to OpenAI Realtime without overloading context.
- Developed a research agent in Ruby/Python to audit Amplitude-related constants (1,300+ analyzed), flagging 47 confirmed unused, 150+ anti-patterns, 12 duplicate groups, and 5 safe-to-delete keys, and benchmarking best-practice vs legacy patterns.

Capital One

Jun. 2025 – Aug. 2025

Software Engineer Intern (Technical Internship Program)

Plano, TX

- Reduced manual Service Level Indicator (SLI) and Service Level Objective (SLO) provisioning time on Capital One's Internal Developer Platform by creating a custom Backstage scaffolder action integrated as a step in an AWS Lambda template to onboard each component with default SLIs and SLOs
- Developed custom scaffolder actions to integrate Backstage with a distributed serverless platform for reliability insights, enabling dynamic workflows for SLO management and monitoring
- Utilized Nunjucks templates to standardize infrastructure and monitoring configurations, ensuring scalability

PROJECTS

Ebby | TypeScript, Python, Next.js, Flask/SocketIO, MediaPipe, ChromaDB

Oct. 2024

- Collaborated with a team of 2 to develop Ebby, a platform, providing SMU students with mental and physical support, winning Best Use of Propel Auth and 2nd place in the OIT track for HackSMU
- Assisted in implementing a personalized health chatbot utilizing RAG and ChromaDB to deliver SMU-specific wellness resources, leveraging OpenAI API, ScraperAPI, and Flask to enhance student guidance accuracy
- Led fitness tracking with OpenCV and MediaPipe enabling users do a set amount of reps before moving on and connected to Next.js through a WebSocket with the use of Flask-SocketIO for real-time feedback
- Assisted in implementing anonymous peer support group chats using TalkJS, based on a questionnaire answered by students, creating a safe space for students to connect and share experiences, supported by real-time messaging

RESA | Go, TypeScript, Next.js, Chi, PostgreSQL, Docker, Redis, Swagger, Zap

Jan. 2025 – Present

- Architected RESA (Restaurant Employee Scheduling Application) as a enterprise grade microservices platform achieving 60%+ performance optimization as measured by Redis caching implementation reducing PostgreSQL query load, by building distributed Go/Chi backend with Clean Architecture
- Delivered REST API supporting 20+ endpoints across 6 core entities as measured by complete Swagger documentation and hierarchical resource structure, by implementing JWT authentication middleware, rate limiting, and comprehensive CRUD operations for restaurant management
- Built scalable containerized infrastructure with Docker as measured by multi-service deployment including PostgreSQL, Redis, and Redis Commander, by implementing environment-based configuration and automated CI/CD pipeline with version management

TECHNICAL SKILLS

Languages: Go, Python, C#, C++, SQL (Postgres), JavaScript/TypeScript, HTML/CSS

Programming: LangChain/LangGraph, MCP, Claude Code, React, Next, Gin, Flask, .NET, REST/GraphQL, Firebase, Supabase, Git, shadcn/ui, Tailwind CSS