Savannah Smith

Software Engineer

Contact

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github.com/Savannah-Sunshine

Skills

Languages

- Python
- Java
- JavaScript
- TypeScript
- C++
- Rust

Frameworks & Libraries

- React
- Node.js
- Next.js
- Express
- Svelte

Tools & Platforms

- Git
- Docker
- AWS (Lambda, S3, EC2)
- Postgres

Concepts

- RESTful APIs
- Unit Testing
- Agile/Scrum

Experience

Nov 2023 - May 2025
BBY (Startup)
Founding Engineer

- Designed backend architecture to meet product needs while ensuring scalability and low operational cost.
- Utilized AWS services to maintain operations with $0 infrastructure cost over several months.
- Led creation of a scheduling system supporting 3 unique user types, enabling full adoption of in-app workflows and reducing user drop-off

Mar 2022 - Apr 2025
BYU Office of Information Technology
Software Engineer

- Maintained and improved mission-critical websites using JavaScript and AWS infrastructure.
- Reduced resource requests from 700 to 10 per page, dramatically improving performance and decreasing AWS database costs.
- Designed and presented new software systems to replace manual processes, enhancing efficiency and reliability.

Dec 2023 - Apr 2024
Algorithm Design and Analysis
CS 312 TA

- Taught and clarified complex algorithmic concepts such as dynamic programming, graph traversal, and divide-and-conquer strategies to students.
- Identified a lack of communication channels between students, and implemented channels to allow for peer to peer review.

Projects

Encrypted Messaging Platform - Slackesque Signal App

- Full-stack messaging app built with React, Express, and Postgres, hosted on Fly.io.
- Integrated real-time communication using Sockets for real-time updates between groups of people.

Automated Pest Control Sales Chatbot

- Developed a JavaScript-based chatbot using Twilio and EC2, capable of persistent conversations and sales- oriented responses.
- Engineered prompts and memory handling for effective, human-like interactions and lead conversion.