



Scan to be taken to
my portfolio

Sarah Bateman

FULL STACK SOFTWARE ENGINEER

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EDUCATION

Master of Software Development

University of Utah

Projected Graduation: December 2024 GPA: 4.0

16-month Graduate program designed to produce proficient full-stack software engineers.

- Software Development Club

Bachelor of Hospitality Management

Utah Valley University

January 2019 - May 2021 GPA: 3.93

Four-year degree in Hospitality and Business Administration (expedited).

- Statistics Tutor

SKILLS

Java, C++, JavaScript, TypeScript, Python, React, HTML, CSS, Tailwind CSS, SQL, AWS, Azure, Github, Heroku

PROJECTS

DNS Resolver - Custom Domain Name System resolver. Supports a cache to keep track of recent searches, forwards unknown queries to Google DNS. Java

TLS - Implements a simplified TLS protocol, focusing on secure communication using RSA, AES-CBC, HMAC, and Diffie-Hellman key exchange. Java

MSDscript - Interpreter supports dynamic parsing, evaluation, and printing of user input. C++, Catch2 Testing

Chat Room - Multithreaded server enables real-time chat, file serving, and WebSocket communication for interactive web applications. Java, JavaScript, HTML, CSS

Brick Breaker - Game implements dynamic changes with real-time collision detection and responsive graphics rendering. C++, SFML

PROFESSIONAL EXPERIENCE

MISL

September 2024 - Present

Software Engineer - Full Stack

- Currently developing a full-stack web application for a Utah-based startup supporting speech pathologists, utilizing Python, TypeScript, React, Tailwind CSS, MySQL, AWS, Heroku, Azure, and Github
- Designed and implemented webhooks and API endpoints to enable data processing, ensuring smooth integration and a simple user experience
- Communicated technical limitations and requirements effectively with non-technical stakeholders, advocated for clean code practices, and set realistic project timelines to meet business deadlines

iDonate

October 2024 - Present

Software Engineering Intern - Full Stack (Part-Time)

- Joined the team during a company restructuring and transitional period
- Responded to various bug tickets throughout the codebase to stabilize production
- Developed SQL queries, supported documentation efforts, and collaborated on the existing tech stack, utilizing tools such as Python, TypeScript, React, PostgreSQL, AWS, Sentry, and Bitbucket

Edison House SLC

April 2023 - Present

Fine Dining Server (Part-Time)

- Part-time employment while pursuing a Master's degree in Software Development
- Joined the company five months after opening - shared insights from Hospitality Management studies to enhance service standards
- Food and beverage service, member recognition, execution of events