

SAMUEL B. GAMAGE

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<https://samgamage.dev>

Summary

- Experienced software engineer highly efficient in all areas of the stack with 4+ years experience working in development teams to produce high-quality software utilizing a wide range of technologies, programming languages, and agile methods that resulted in high-quality mobile applications and web user experiences.

Education

Georgia Institute of Technology, Atlanta, GA

Fall 2019 - May 2022

Bachelor of Science in Computer Science

GPA: 3.9/4.0

Work Experience

Data Fusion Specialists (DFS), Rome, GA

Lead Full Stack Developer

June 2021 – Present

- Led the design and development of [Coeus](#), a SaaS offering that allows customers to train custom AI models using various providers that power complex virtual assistants for different use cases.
- Led the design and implementation of the Coeus dashboard utilizing React and TypeScript which integrated with Stripe, Authentication systems and RESTful APIs allowing for a streamlined UX.
- Led the development of the Coeus API utilizing an event-based architecture across all microservices with Apache Kafka which allowed us to scale and maximize data quality, scope, operability, and flexibility.
- Deployed Coeus to staging and production environments on AWS Elastic Kubernetes Service using Terraform and setup automated CI/CD workflows using GitHub Actions and FluxCD.
- Worked closely with our partner IBM to help grow their Watson Assistant product offering to a market of millions of small businesses that currently do not utilize an AI chat solution for customer service.
- Optimized the creation of Coeus demos by creating an internal application that can automatically train and provision resources to create a custom demo from a small set of data, reducing turnaround time by up to 30%.

UI Developer

June 2019 – June 2021

- Designed and implemented the Coeus web chat widget utilizing JavaScript, TypeScript, Tailwind CSS, and React that can be easily embedded onto a customers website.
- Wrote 50+ unit and integration tests to verify the functionality and accessibility of chat widget user interface and connectivity to backend systems.
- Designed and developed a reusable, well-tested React component library and design system with Figma and Storybook.js for visual testing and documentation.
- Rebuilt the [company website](#) using a static site generator with content sourced via GraphQL from a CMS, resulting in a more manageable, performant site and increasing our number of monthly visitors by 50%.

Embraer, Melbourne, FL

UI Developer

October 2018 – June 2019

- Worked with a team of skilled designers and engineers to create a library of dashboard components using React.

Projects

[Ava Chatbot](#)

March 2023

- Developed a chatbot using ChatGPT capable of searching the internet to find relevant answers to current events.
- Using Large Language Models, Ava can know when to use a search API to lookup documents to aggregate and summarize into a concise answer, allowing it to expand its view of the world past its training cutoff date.
- Utilized Python and the OpenAI API for the backend, React and TypeScript for the frontend, and deployed the project to Azure Kubernetes Service using Terraform with automated CI/CD.

Skills

Languages:

JavaScript, TypeScript, HTML/CSS, Python, Java

Frontend Technologies:

React.js, React Native, Gatsby.js, Next.js, D3.js

Backend Technologies:

Node.js, Docker, Kubernetes, MongoDB, PostgreSQL, Redis

Other:

Git, Agile/Scrum, Azure, AWS, Terraform, Linux, Bash