

William Gaither

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<https://developer-portfolio-gules.vercel.app/>

Open to Remote Roles, Contract Roles, and Freelance

SUMMARY

Creative and solutions-driven full-stack software developer with 2+ years of experience building AI-enabled cloud-native applications, developer tools, and automation pipelines. Skilled in modern web technologies (React, Angular, Spring Boot), DevOps automation (GitHub Actions, Docker), and cloud services (AWS). Proven success in prototyping AI chat agents using RAG techniques and enhancing developer experience through custom tooling. Strong communicator who bridges technical and non-technical teams through demos and documentation. Former pastry chef who still enjoys experimenting in the kitchen, though these days it's more Python than pie crust.

CORE COMPETENCIES

- Full-Stack Development (React, Angular, Spring Boot)
- AI Integration (RAG Agents, Generative AI)
- Agile Development & Team Collaboration
- CI/CD & DevOps Automation (GitHub Actions, Docker)
- Cloud-Native Services (AWS: Lambda, S3, SQS, DynamoDB)
- Developer Portals & Internal Tools (Backstage)
- UI/UX Design, Documentation, Demo Creation

TECHNICAL SKILLS

- Languages: JavaScript, TypeScript, Java, Python, HTML/CSS
- Frameworks & Tools: React, Angular, Spring Boot, Backstage, Bootstrap, USWDS
- Cloud & DevOps: AWS (Lambda, S3, SQS, IAM, DynamoDB), Docker, GitHub Actions
- Databases: SQL, Postgres, Firebase
- Collaboration Tools: Git, JIRA, Confluence, Postman, Bruno, Mural
- OS: Windows, macOS

KEY PROJECTS

Agent Mesh Integration in Backstage

Contributed to the design and rollout of a scalable agent mesh system in Backstage, allowing teams to register and manage AI agents via Git-based infrastructure. Built custom tooling to auto-populate agent profiles with model metadata, improving visibility and reducing manual setup.

Solution Architect Chatbot

Helped build and deploy an internal chatbot using Retrieval-Augmented Generation (RAG) to assist Solution Architects by surfacing relevant internal and external documentation. Reduced the volume of recurring support questions by enabling self-service lookups, and improved onboarding by decreasing ramp-up time from multiple weeks to just a few days for new team members.

NOAA AWIPS AI Assistant

Supported the creation of a RAG-powered chatbot to help NOAA meteorologists and support staff troubleshoot AWIPS issues. The assistant enabled faster access to domain-specific knowledge, reducing reliance on senior staff for basic queries and improving issue resolution consistency across shifts.

AutoForms – USWDS-Compliant Form Builder

Developed a React-based demo app for AutoForms, a component library that integrates with JSON Forms to rapidly generate USWDS-compliant interfaces. Streamlined form development from hours to minutes and enabled easy reuse and CI/CD integration.

Expedition Suite (Quest, Mapper, Link)

As an intern, contributed to modernizing and enhancing the Quest Angular application, part of a suite used for data tracking at U.S. Customs and Border Protection (CBP).

PROFESSIONAL EXPERIENCE

Software Developer - 4codelabs (Booz Allen Hamilton)

Charleston, SC (Hybrid/Remote) | July 2023 – Present

- Engineered and maintained serverless microservices using AWS Lambda, SQS, and DynamoDB.

- Designed and launched RAG-powered AI chatbots, including a troubleshooting assistant and form automation agent, reducing ticket volumes by 20-30%
- Streamlined CI/CD pipelines using GitHub Actions, improving build reliability and reducing deployment time by 15+ minutes.
- Developed custom Backstage plugins and contributed to major internal platform upgrades. to enhance developer experience across teams.
- Produced and presented client-facing demo videos and technical walkthroughs to support product onboarding and client enablement.

Software Developer – Residency Program (Booz Allen Hamilton)

Charleston, SC | Jan 2023 – July 2023

- Contributed to full-stack development using Angular, Firebase, and Spring Boot in Agile teams.
- Delivered MVP of a mapping application used in live client demos and user testing.
- Created onboarding help documentation and enhanced frontend usability.
- Served as rotating QA lead, manually tested features and tracked issues.
- Collaborated on internal mission-planning tools using modern web technologies.

Supervisor, Whole Foods Market

Mt. Pleasant, SC | June 2018 – Feb 2022

- Managed and mentored a team of 10+ employees in a fast-paced retail environment.
- Handled inventory, scheduling, hiring, and ensured high customer satisfaction.
- Developed strong leadership and team communication skills under pressure.

EDUCATION & CERTIFICATIONS

- JRS Coding School – Full-Stack Web Development Bootcamp | Charleston, SC
- AWS Certified Developer – Associate
- AI Foundational & AI Aware Certifications
- Journeyman Software Developer – Booz Allen Residency Program