Joe Anthony-Brown joe.anthonybrown@gmail.com (347) 651-5737 GitHub: joewab

Analytical, collaborative, and organized Full Stack Software Engineer with 2+ yoe building robust and user-friendly applications within large-scale, microservice architectures.

Proven ability to drive significant impact and lead technical innovation. Effective communicator and team player with proactive problem-solving skills. Possess strong familiarity with CI/CD pipelines, environment management, and Git. Proficient in a wide range of technologies including Java, JavaScript, Node, PostgreSQL, and AWS.

Experience

Travelers Insurance — *Software Engineer*

July 2022 - Present

- Designed and implemented impactful admin dashboards and highly adjustable work lists utilizing Angular, Typescript, and AG Grid
- Implemented front-end features that contributed to a significant increase in product utilization, rising from 15% to 65% across the company, resulting in positive user feedback
- Implemented AI assistance tools across teams, integrating RAG processes with the internal OpenAI GPT instance to boost employee efficiency. Led the acquisition of GitHub Copilot licenses for all developers
- Led the team's transition from Cypress to Playwright for UI testing, using a Python script to send detailed, dynamically generated prompts to an OpenAI endpoint, which reduced conversion time by 80%
- Refactored legacy Java service applications: Prepared the system for a smooth transition from on-premise to cloud-based architecture, optimizing cloud compute necessity and reducing overall cost
- Proactively monitored error rates and latency drops: Investigated and resolved issues, ensuring system stability and providing weekly reports to track progress and maintain transparency
- Engaged with product managers to gather requirements, define project scope, and ensure alignment with business objectives, fostering a collaborative development environment
- Conducted code reviews to ensure adherence to best practices and coding standards
- Mentored junior developers, contributing to overall team growth and knowledge sharing
- Developed and maintained RESTful APIs to facilitate efficient data retrieval and manipulation

Allyx — *Software Engineer, contract*

May 2022 - July 2022

- Developed a full-stack web app to MVP from scratch within a month, enabling the client to attract investors and secure funding
- Utilized React, Express, PostgreSQL, and Cloudinary API to build the app, which enables users to request phone calls with verified volunteers for safety support

Freelance — *Residential Remodeler*

2020 - 2022

- Exhibited expertise and leadership: Conducted assessments of residential spaces to identify necessary repairs and oversaw teams to execute remodeling projects efficiently
- Maintained relationships with clients: Communicated clearly and effectively with clients, created detailed scope documents, and ensured client satisfaction

Guggenheim — *Exhibition Installation and Construction*

2016 - 2020

- Demonstrated high motivation, skill, and ability to learn on the job
- Collaborated with teams of art handlers and exhibition installers to successfully execute numerous large-scale museum and gallery shows to the standards of artists and curators

Additional Experience

Injam 2023/ 2024 — *Internal hackathon competition*
● Competed against 200+ teams to develop an innovative product within a 24-hour timeframe
2024:
  ● Collaborated with four teammates to design a tool enabling QA testers to quickly generate and store custom dummy data in testing environments
  ● Developed a browser extension that efficiently repurposes authentication tokens, allowing authenticated users to securely interact with a protected database
2023:
  ● Collaborated with five teammates to create a helpful training tool for insurance agents
  ● Built an application that leverages Retrieval-Augmented Generation (RAG) AI to deliver company-specific responses, enhancing contextual accuracy in training simulations

Goblin Fighter — *Simple UI that connects to OpenAI API and DnD 5e API, deployed on AWS*
● Created an experience where users choose two monsters from Dungeons and Dragons 5th edition and have them fight
● Leveraged OpenAI to generate descriptions of the battle based on randomized dice rolls
● Built a React/Typescript frontend connected to AWS Lambda backend through AWS API Gateway

GetsmArt — *Art history flashcard study tool and game*
● Designed and developed an application allowing users to create image galleries with labels for artist, title, medium, and year
● Added interactive functionality for users to engage with galleries through flashcard quizzes and games, earning points for correct responses
● Built the full-stack application using React, Express, and PostgreSQL

Education/ Certifications
Hunter College — *Master of Fine Arts (MFA)*
Prime Digital Academy — *5 month in-person immersive bootcamp in Software Engineering*
AWS — *Associate Developer Certification, Practitioner Certification*
Georgia Tech — *Professional Certificate in Data Science and Algorithms*
IBM — *SkillsBuild certificate in Artificial Intelligence Fundamentals*