Mary Amartey

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Skills

Languages: Node, Typescript/JavaScript, React, CSS, HTML, PHP (Laravel), Java, Git, MySQL, Liquid
Core Competencies: Cloud Computing (AWS), Object-Oriented Design & Programming, Full-Stack Development (Frontend & Backend), Effective Communication, Problem Solving, Agile Environment, Scrum, Web/Mobile Applications, Database Systems
Tools: GitHub, Jira, Google Tag Manager (GTM), Confluence, Firebase, Grafana, Shopify, Webflow, Figma

Work Experience

AKQA, New York Studio   **Remote Work**
Associate Software Developer   Sep 2023 - Nov 2024
- Migrated over 800k customer records to Salesforce using Node microservices and AWS resources including Lambda, Step Functions, and DynamoDB, ensuring a serverless, resilient, and scalable solution.
- Automated and monitored workflows by designing error handling and logging mechanisms within AWS Step Functions, achieving an 85% decrease in system downtime and improved fault tolerance.
- Utilized AWS SAM and CloudFormation to automate infrastructure provisioning, enhancing deployment efficiency.
- Developed dashboards visualizing critical data metrics using Grafana and CloudWatch Insights, facilitating better system performance insights, and reducing mean time to resolution by 60%.
- Collaborated with developers to build an eCommerce website on the Shopify platform, leveraging Liquid templating language for custom theme customization.
- Integrated Iterable with Shopify app by building APIs within a Node app for customer data synchronization, enhancing user engagement through real-time updates and personalization.
- Contributed to the development of a website prototype using React.js integrated with Contentstack CMS, optimizing the content update cycle and site maintenances by 50%.
- Enhanced application reliability with unit tests using Sinon, reducing post-deployment errors and improving user experience.
- Configured Google Tag Manager with custom tracking tags which improved data collection accuracy and analytics insights.
- Developed an interactive and accessible website using Webflow, translating Figma designs and integrating animations through Lottie with After Effects and Bodymovin.

AKQA, New York Studio   **Remote Work**
Software Developer Intern   Jun 2023 – Aug 2023
- Built a feature-rich AI chatbot using React Native and relevant NPM packages to create a responsive and user-friendly client-side interface for seamless interaction.
- Designed and developed the chatbot's backend using Node.js, integrating ChatOpenAI with LangChain for conversational capabilities, and incorporating Websockets for real-time communication and efficient data exchange between the client and server.
- Deployed the backend server on Render with seamless GitHub integration, enabling automated redeployment upon code updates.

Odyssean Software   **Remote Work**
Junior Full Stack Developer   Jun 2022 - Dec 2022
- Developed web applications to improve the information flow for non-profit organizations using HTML, CSS, and PHP with Laravel and Livewire, facilitating seamless user interactions.
- Optimized MySQL database queries for effective data management and improved application performance.
- Created an in-app chat application using Vue.js with Firebase's authentication and database services, enhancing message delivery speed and increasing user engagement by 25%.
- Engaged in version control and collaboration workflows using Git, ensuring code integrity and version transparency.

Education

Oberlin College, BA Computer Science
- **Certifications**: AWS Certified Cloud Practitioner | Contentful Professional | Liquid Storefronts for Theme Developers | Solution Planning Fundamentals | Shopify Development Fundamentals
- **Courses**: Intro to Computer Science, Data Structures, Systems Programming, Algorithms, Machine Learning

Projects

- Designed and developed portfolio site highlighting relevant work using React, Vite and Tailwind increasing online visibility.
- Developed a VPN utilizing OpenVPN, an open-source VPN software, and an EC2 instance on AWS.
- Designed, debugged, and tested machine learning algorithms, including neural networks and decision trees, using programming languages (Java and Python) and data manipulation libraries such as Pandas.