Jessica Martin

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Summary

Full-stack developer with record of delivering high-impact projects for major organizations like Apple, NBC, and CBS. Passionate about accessibility, high-performance applications, and data-driven user interfaces.

Skills

Frontend: React (Next.js, Vite), TypeScript, Vue, Angular, Web Components (Lit), Accessibility (WCAG/508), HTML5, CSS
Backend & APIs: Node.js (Express), Python (Flask), Ruby on Rails, C# (.NET 6), REST/WebSockets
Data & Storage: PostgreSQL, MySQL, MongoDB, data modeling & performance optimization
Cloud & Infrastructure: AWS, GCP, Docker, Kubernetes, CI/CD (GitHub Actions, Drone)

Experience

Sonic Healthcare—Fullstack Developer (Contract), Remote
March 2025 - present
- Developed full-stack digital pathology annotation application (React/Fabric.js/OpenSeadragon frontend, C# backend) preferred by pathologists over industry-standard Aperio ImageScope
- Implemented human-in-the-loop ML workflow enabling pathologists to annotate whole-slide images, trigger automated analysis, and provide corrective feedback for model retraining
- Architected coordinate transformation layer bridging declarative React patterns with imperative canvas APIs for sub-pixel annotation accuracy on gigapixel medical images

Parchment (Instructure), Remote — Team Lead, Senior Software Developer
October 2022 - February 2025
- Utilized TypeScript, React and Storybook to build a feature-complete reusable, flexible, and accessible component library for consumption in NextJS apps, increasing orgwide developer efficiency by over 25% as measured by time to complete new application pages
- Promoted to both team lead and senior developer within a year of joining the company
- Mentored two junior developers, fostering their growth and improving team productivity by ~15% as measured by tickets completed
- A11y-first leadership and focus led to early compliance with new 508 mandates
- Advised a Ruby on Rails team on incorporating React into their front end, saving a multi-million-dollar contract from termination
- Developed code and documentation standards for the library that have since been adopted org-wide

NBC, NYC, Remote — Elections Data Visualization, Contract
March 2022 - September 2022

- Built and maintained React components and pages for NBC's elections app frontend in support of the 2022 midterm elections season
- Contributed to a node/express API to query and consume elections data from AWS, an in-house CMS, and NBC's NEAT elections API
- Leveraged AWS Lambda functions and the HTML5 canvas API to generate shareable social images, increasing social media engagement by 1.5% compared to the 2018 midterms
- Used Datadog to ensure robust performance during peak times and provided live troubleshooting to ensure smooth functioning during live midterm reporting

CBS, Remote — Senior Systems Engineer
January 2021 - March 2022
- Leveraged Docker, MySql/Postgres and Express/Flask frameworks to build full-stack applications with Node and Python
- Developed Slack apps and integrations enabling automated channel archiving, in-Slack employee recognition bonuses, and workflow optimizations, increasing operational efficiency
- Architected an internal analytics app leveraging Flask and a React-based dashboard to measure interactions across the entire AWS app fleet

Renegade Communications, Hunt Valley — Full-stack Developer, Contract
May 2020 - December 2020
- Built full-stack web apps for clients like Showtime and Comcast, utilizing Vue/Laravel, Wordpress and Shopify
- Spearheaded design and development of gamified interactives such as a Billions-themed scavenger hunt sweepstakes and a Jurassic Park infinite runner game built in Unity

Kyht News, Remote — Full-stack Developer, Contract
November 2019 - January 2020
- Built a company-internal chatbot in Python/Django, integrating Slack with Google Docs in a Google Cloud Platform deployment

Oro.co, Remote — GCP Admin/Data Science Assistant, Contract
September 2019 - October 2019
- Set up and maintained a Jupyterhub instance running on a secure Kubernetes Cluster, deployed to Google Cloud Platform
- Assisted in writing initial data collection functions to power a recommendation machine for Oro's ecommerce site

Apple, Sunnyvale/Cupertino — Frontend Developer, Short-term Contract
August 2019 - September 2019
- Frontend development for the iPhone 11 launch

Various Clients—Full-stack Developer, Contract
May 2017 - August 2019
- Engaged in a variety of projects, including ground-up site builds for clients such as Meals on Wheels and the ERISA Industry, built reusable components for the American Institute of

Architects, and migrated microsites from Wordpress to Hubspot for the American Geophysical Union

Side Projects

Bright Moments—Founding Developer
March 2021 - June 2021
- Founding dev for an NFT-focused, mixed-reality DAO that secured $50,000,000 in angel funding
- Built the MVP frontend using React and designed the original Node/Express API
- Developed a real-time WebSocket synchronization feature, linking digital and physical screens. Enabled authorized user control of the physical displays, contributing to a highly interactive experience that received public recognition from Bob Iger at a live event
- Used Ethers.js and ArtBlocks to implement a feature where visitors to the gallery could scan a QR code, have 10 proprietary tokens sent to their custodial wallet (usually Metamask), and mint a commemorative NFT

SludgeHub—Founder/Part Owner
- Supporting founder for an environmental org dedicated to restoring abandoned mineland in West Virginia