Jon Santiago

Software Engineer

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PROFESSIONAL EXPERIENCE

Associate Director, Web Applications / Software Engineer, Core Education
October 2022 - Present / Alexandria, Virginia

- Architected and implemented a scalable, full-stack site template for workforce development, accelerating project site build times by 50%. Primarily used React, Django, Storybook, Docker, and Postgres
- Led development team in a comprehensive site rebuild for a university client, integrating solutions into CMS systems. This led to a 50% increase in SEO ratings and a 10% increase in student enrollments the following year
- Integrated Leadsquared with affiliate LMS systems such as Slate and Salesforce using Python REST APIs and a logging system using Graylog
- Architected and built a Support UI with CRUD functionality for a data store containing affiliate program data and leveraged Power BI APIs so users could create reports. This helped transition the company out of a spreadsheet centered approach

Software Engineer, The Washington Post
July 2020 - September 2022 / New York, New York

- Developed and maintained robust web applications using React, Node, and GraphQL on the Arc Publishing platform, enhancing content management and distribution workflows. Optimized application performance, achieving a 30% reduction in load times and improved the editorial team's productivity by 25%
- Implemented testing frameworks using Jest and Cypress for frontend and integration tests
- Contributed in the development of iOS applications using Swift and XCode, focusing on improving the user interface and user experience for mobile news delivery

Programs Manager / Library & Collections Manager / Teaching Artist, Bronx Documentary Center
August 2015 - July 2020 / New York, New York

- Orchestrated 40-50 annual community-based programs and professional development initiatives, enhancing local engagement and educational outreach
- Directed BDC Editions, leading the publication of 9 titles in 2 years and managing international and local artist-in-residence programs
- Liaised with the local arts and nonprofit community and conducted public relations/community outreach
- Supervised and mentored 15 high school students annually in documentary photography and bookmaking, supporting academic and creative growth.
- Managed web presence and digital interfaces for program promotion and engagement.

Editorial photo work for: The New York Times, The New Yorker, TIME Magazine

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EDUCATION

Fullstack Academy, 2022
Google UX Design Professional Certificate, 2022
Columbia University, 2012-2014

TECHNICAL SKILLS

- **Programming Languages:** Typescript, Javascript, Python, Swift, C#, HTML, SCSS/CSS, SQL, PHP, Git
- **Frameworks and Libraries:** React, Django, React Native, Next.js, .NET Core, Node, Express, Redux, ASP.NET, Tailwind, D3.js, Cypress, Pytest
- **Database and API:** REST APIs, GraphQL, Postgres, Firebase, MongoDB, Sequelize, Google Cloud
- **DevOps and Tools:** Docker, Postman, Xcode, TerminalFour, Graylog, Leadsquared, PowerBI, Slate, Salesforce
- **Extended Reality (XR) and 3D:** AR Foundation, ARKit, RealityKit, Photogrammetry, Unity, Three.js, React Three Fiber, WebGL, GLSL, Metashape
- **Design:** Figma, Adobe Creative Suite, Interactive Design, Wireframing, Prototyping, Storyboarding, UX Research