RAUL CIFUENTES

Senior Full-Stack Software Engineer · Ottawa, ON
647-518-7094 · raul.cifuentes.inbox@gmail.com · raulin.dev · linkedin.com/in/raulcifuentes

SUMMARY

Senior Full-Stack Software Engineer with 10+ years of experience designing, building, and evolving production software across content platforms, e-commerce, gaming, education, and financial services. Strong expertise in JavaScript, React, backend/API development, Python, relational and non-relational databases, and frontend architecture. Experienced taking complex product requirements from technical design through production, building reliable and scalable systems, and improving user experiences through thoughtful engineering. Active contributor to technical documentation and architectural decisions, with a track record of end-to-end ownership and close collaboration across engineering, product, and design teams.

EXPERIENCE

CNN — Senior Full-Stack Engineer

[2024 – Present] · Ottawa

- Design, develop, and maintain new features for Stellar, CNN's in-house content management platform serving millions of readers worldwide.
- Designed and implemented the full-stack integration between StoryHub, CNN's editorial planning platform, and Stellar CMS, connecting previously siloed workflows across frontend and backend/API components.
- Designed and implemented a reusable Datagrid component using a headless UI library, consolidating multiple table interfaces and reducing duplicated functionality across Stellar CMS.
- Built CMS analytics and observability capabilities, instrumenting application activity and creating dashboards that support product decisions and production troubleshooting.
- Investigated and resolved multiple production issues, from scaling infrastructure to detect and fix codebase bugs.

- Contribute to technical design documentation and architectural discussions, proposing solutions for CMS integrations and platform improvements while incorporating feedback through iterative design.
- Collaborate closely with Product Managers and Designers to improve editorial workflows, reduce user effort, and deliver new platform capabilities.

Prodigy Game — Software Developer III

[2021 – 2024] · Toronto

- Developed and maintained core Game APIs consumed by the frontend game engine, supporting multiplayer functionality, user management, leaderboards, messaging, and other foundational platform capabilities.
- Participated in the redesign of the multiplayer subscription architecture to address scalability constraints, introducing a channel-based approach with Synapse that enabled the platform to support more concurrent players.
- Spearheaded the redesign and implementation of a curricula composition tool, improving capabilities and workflows for educational content creators.
- Developed and extended backend services and user-facing features across the game platform and educational content ecosystem.

Mercado Libre — Senior Frontend Developer

[2019 – 2020] · Santiago (Chile)

- Developed the critical frontend and backend components supporting the migration of Portalinmobiliario.com into the Mercado Libre platform.
- Integrated Google Maps functionality and optimized map-heavy user experiences.
- Improved performance of an infinite-scrolling interface handling large datasets using virtual scrolling techniques.

Nisum Technologies — Senior UI Developer

[2016 – 2019] · Santiago (Chile)

- Developed web components and frontend architecture for Macy's e-commerce platform.
- Contributed to digital transformation and architecture initiatives for online banking applications.

- Worked across teams to establish reusable frontend patterns and modernize existing applications.

ADDITIONAL EXPERIENCE

- **MetricArts (E&Y) — Senior Software Engineer:** Designed and developed JavaScript end-to-end web and Android mobile applications.
- **JPMorgan Bank — Senior Software Developer:** Contributed to a new back-office system supporting Emerging Markets operations using J2EE.
- **Helm Bank & Sudameris Hedge Funds — Software Developer:** Developed and supported Foreign Exchange (FX) modules using Sybase DB.

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, SQL, HTML, CSS

Frontend: React, Vue, Angular, Web APIs, Webpack, Web Components

Backend & APIs: Node.js, Express, REST APIs, GraphQL, AWS Lambda

Databases: PostgreSQL, AWS Aurora, MongoDB, Redis, relational database design, SQL (advanced), ElasticSearch

Cloud & Infrastructure: AWS, Docker, Kubernetes, Terraform, CI/CD

Testing: Jest, Playwright, Cypress

Engineering: Full-stack development, API design, system architecture, technical documentation, scalability, performance optimization, observability, production troubleshooting

Personal Projects: Next.js, Nuxt, Svelte, XState, Gatsby, Vite

EDUCATION

BSc, Computer Science
Universidad Nacional de Colombia