

SUMMARY

Senior Software Engineer with 13 years of experience specializing in **TypeScript, Python, and Node.js** and AI agents, using frameworks such as **React, Next.js, FastAPI, and GraphQL** on cloud environments like **AWS and Docker** with robust **CI/CD** pipelines, expert in full stack system architecture, high-Performance web applications, proven track record at high-growth fintechs like **Kueski, Clip, and Linio**.

I architect scalable ecosystems for **millions of users and support thousands of daily transactions**, leveraging **AI agents** to accelerate delivery systems; I effectively bridge the gap between engineering and product strategy, having driven a **10% increase in user retention** through data-driven optimizations and systemic architectural improvements.

SKILLS

Frontend / UI Engineering: React, TypeScript, JavaScript, Nx, Rollup, Webpack, HTML5, CSS, Tailwind, SASS, Cross-browser compatibility & accessibility, Websockets, Component-driven architecture & Design Systems.

Backend Skills: Node.js, NestJS, REST API, GraphQL, Python, Rabbitmq, FastAPI, Redis, Microservices Architecture.

Cloud & Infrastructure: k8s, AWS, Nginx, Kubernetes, Docker, CI/CD Automation, Github actions, Terraform, Linux.

Testing, Quality & Performance: React Testing Library, Cypress, Automated Testing Strategies, API Mocking, Caching Strategies.

Monitoring: DataDog, Lighthouse, Frontend Observability.

Events, and Databases: Kafka, RabbitMQ, RDS, MySQL, PostgreSQL, MongoDB.

WORK EXPERIENCE

Senior Software Engineer IV. Kueski. Mexico, Mexico City.

July 2022 - present

- **Optimized** B2B portal performance by **1 second** through the implementation of *Server-Side Rendering (SSR)* and *Incremental Static Regeneration (ISR)*, using **React, Next.js, TypeScript, Tailwind CSS, and AWS**.
- **Designed** a modular frontend framework and testing suite that enabled **5+ engineering teams** to integrate features independently, reducing delivery time from **5 days to 2 days** using **React, Jest, and React Testing Library**.
- **Reduced** component development time by **~2 hours per unit** across 5+ engineering teams by architecting a standardized design system and integrating AI agents with **React, TypeScript, and Tailwind CSS**.
- **Developed** a UI architecture and integration patterns across multiple applications, **supporting 10k users** with stable performance using **TypeScript, React, Next.js, Tailwind CSS, and REST**.
- Eliminated duplicated UI work across dozens of features by implementing shared libraries and standardized guidelines. Leveraging **React, TypeScript, and AI**, I built a scalable foundation adopted by **5+ teams**, effectively mitigating the scalability bottlenecks previously slowing down product expansion.
- **Eliminated** UI scalability bottlenecks and redundant workflows for dozens of features by implementing shared libraries and standardized guidelines adopted by teams using **React, TypeScript, and AI**.
- **Decreased** production incident detection time from **several hours to under 10 minutes** by implementing frontend observability and monitoring on critical user journeys with **DataDog, TypeScript, AWS**.
- **Built** REST API integrations to eliminate cross-application inconsistencies, **supporting 1,000s of daily transactions** with stable performance using **TypeScript, Go, and Python**.

Senior Software Engineer. Clip. Mexico, Mexico City.

October 2018 - June 2022

- **Optimized** frontend checkout flows and backend API integrations, **processing 1,000+ additional orders** by eliminating frequent card transaction failures using **React, TypeScript, Next.js, Node, and AWS**.
- **Built** internal data visualization libraries for user behavior analytics, **enabling the retention of ~15,000 additional monthly active users** by providing clear visibility into product drivers using **React, Next.js, Analytics, and TypeScript**.
- **Introduced** unit test and E2E testing practices across the React codebase and microservices, **preventing ~20 production regressions** and reducing release rollback incidents using **React, Node.js, Python, Node.JS, Rest APIs**.
- **Collaborated** with backend teams to design well-defined APIs, **reducing integration defects by ~30 issues** and shortening feature delivery by ~1 week using **TypeScript, React, and AWS**.

Senior Software Engineer. Linio. Mexico, Mexico City..

March 2016 - August 2018

- **Designed** and implemented a reusable React component library to eliminate duplicated UI work, **saving weeks of development time** using **JavaScript and React**.
- **Improved** frontend automation for testing and deployment workflows, **reducing manual release effort by several hours** per deployment using **JavaScript and Frontend Tooling**.
- **Collaborated** with product teams to prototype and iterate on complex features, **validating and launching 5+ features** while saving weeks of development rework using **JavaScript and React**.

EDUCATION

Instituto Politécnico Nacional, Mexico City. Mexico. Bachelor's Degree in Computer Systems Engineering.

Aug 2009 - Aug 2013

LANGUAGES

Spanish (native), English (Professional)

OTHER

Soft Skills: Technical Leadership, Cross-functional Collaboration, Mentorship, Effective Communication, Problem Solving, Critical Thinking, Adaptability, Attention to Detail, User Focus, Teamwork, Innovation, Project Management, Agile Methodologies.