

Joel Maria

Senior Full-Stack Engineer

joelmsanto@gmail.com

<https://joelmaria-developer.web.app> | <https://linkedin.com/in/joel-maria-960a7820> |

<https://github.com/joelmsanto>

Lawrence, 01843, USA | +1 978 771 2261

Full-stack engineer with 16+ years building high-performance web and mobile applications for FinTech, SaaS, enterprise, and large-scale consumer platforms. Expert in React, Next.js, TypeScript, Node.js, and cloud-native architectures (AWS/GCP). Proven ability to architect founding codebases, rapidly prototype MVPs, optimize performance at scale, and lead cross-functional engineering initiatives. Experience building marketing websites and automation workflows using Webflow and modern web standards.

Work Experience

Senior Software Engineer, React Native (Contract)

Apr 2022 - Present

Spotify | Boston, MA

- Built foundational Next.js 15 + TypeScript architecture for the Spotify for Authors platform, enabling scalable feature development and improving load times across 500M+ user endpoints.
- Implemented Hermes + new React Native architecture, reducing app startup time 35% and improving memory efficiency for high-traffic mobile flows.
- Optimized GraphQL schemas and caching strategy (Apollo + Redux), increasing API throughput by 200% and reducing client-side latency under peak load.

Lead Frontend Engineer

Jan 2020 - Apr 2022

U.S. Bank | Boston, MA

- Led 22+ engineers and established a 90+ component React Native design system with 80% test coverage, improving UI consistency and reducing development overhead across teams.
- Integrated an AI-powered voice assistant using Node.js, Python, GraphQL, and TensorFlow, enhancing accessibility and customer experience for 20M+ bank users.
- Cut mobile app size by 15–20% through optimized asset packaging and Android App Bundle adoption, improving install conversions and update speeds.

Fullstack Engineer - Node.js/React.js (Contract)

Jan 2018 - Jan 2020

Grax | Boston, MA

- Architected and launched grax.com using Next.js, TypeScript, Node.js, and Firebase, supporting \$20M annual revenue and over 100M monthly API transactions.
- Migrated real-time workloads to Node.js WebSockets, halving response latency, doubling concurrency, and reducing infrastructure cost by \$67K/month.
- Built secure OAuth 2.0 + JWT authentication pipelines with token refresh and Axios interceptor handling for financial-grade API workloads.

Senior Software Engineer - Node.js/React

Jun 2016 - Jan 2018

Costar | Boston, MA

- Engineered enterprise authentication using OAuth2, JWT, Okta, and LDAP, supporting >5M daily identity transactions.
- Developed 60+ REST APIs and a robust BFF layer unifying microservices, reducing integration complexity and increasing release velocity.
- Improved platform resiliency by implementing centralized error handling and Swagger API documentation.

Fullstack Developer - Fraud Detection

Jun 2015 - Mar 2016

Fidelity Investment | Boston, MA

- Designed fraud detection microservices using Node.js, Kafka Streams, Redis, and Django, enabling real-time anomaly detection across financial transactions.
- Integrated 3rd-party fraud-intelligence APIs to reduce false positives and automate high-risk verification workflows.
- Built React + D3.js dashboards for senior compliance teams to visualize threat and anomaly patterns.

Full-stack React.js Developer

Mar 2014 - Jun 2015

Verizon Wireless Solutions | Boston, MA

- Developed scalable Node.js + MongoDB microservices for nationwide cable infrastructure mapping and asset management.

- Built cloud automation modules for compute, storage, and network provisioning inside Verizon's IaaS platform.
- Optimized distributed data sync and improved real-time dashboard performance for operations teams.

Senior Mobile Engineer (Contract Role)

Nov 2012 - Feb 2014

Bank of America | Boston, MA

- Developed Kotlin/Swift Turbo Native modules (biometrics, OCR/ML scanning) powering secure flows in a React Native app used by 46M+ active users.
- Led development of a unified returns management system deployed to 2,000+ Home Depot stores using React, Redux, and TypeScript.
- Modernized legacy Java services into React microservices supporting 1.6B+ annual transactions.

CSS3 Lead Developer

Apr 2011 - Nov 2012

TD Ameritrade | Boston, MA

- Built a SASS/Compass framework automating sprite generation and vendor prefixing, cutting load times by 40%.
- Applied OOCSS + Bootstrap/LESS for modular, maintainable, and responsive UI architecture.
- Delivered a hybrid Cordova/Ionic app deployed on Android and iOS.

Web Developer

2021 – Present

Freelance / Contract

- Built Webflow interactions and animations including Lottie-based motion graphics for responsive, high-performance experiences.
- Integrated Webflow forms with Zapier, Make, and custom Webhooks to automate lead flows, data sync, and marketing workflows.
- Used Webflow Designer, CMS, and custom HTML/CSS/JS embeds to create scalable, reusable UI components.
- Ensured responsive layouts, animation performance, accessibility, and cross-browser compatibility.
- Customized WordPress pages and themes with modern UI elements and performance optimizations.

Projects

Logistic and Last-Mile React Native App

Jan 2024 - Present

- Built npm packages, monorepo structures, workspaces, including 100+ React Native components & 40+ screens.
- Orchestrated 10+ Docker microservices in Kubernetes (Node.js, Django, Kafka, PostgreSQL).
- Deployed 60+ serverless Node.js functions to GCP + Firestore.
- Developed AI-powered GPS navigation with off-route detection and live traffic updates.
- Automated CI/CD pipelines (Docker, GitHub Actions, Jenkins), reducing release errors.

Core Skills

React, Next.js, TypeScript, JavaScript (ES6+), React Native, HTML5, CSS3, TailwindCSS, SASS/SCSS, Node.js, Express.js, Fastify, Python, Django, REST, GraphQL, AWS, GCP, Firebase, Docker, Kubernetes, GitHub Actions, Jenkins, PostgreSQL, MySQL, MongoDB, Firestore, Redis, Webflow (Designer, CMS, Lottie, Interactions), WordPress, SEO basics, Web Performance, Jest, React Testing Library, Detox, Storybook, Webpack, OAuth2/JWT, CI/CD pipelines, microservices, real-time systems, WebSockets.

Education

Tech. University of Santiago

Computer Science

Certificates

Zend PHP 5 Certification Engineer

Zend Technologies

XML, JavaScript, HTML, CSS

W3Schools