

JELANI JOHN

SENIOR SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Senior software engineer with 20+ years of experience delivering production systems across fintech, real estate technology, blockchain, and consumer products. Known for stabilizing high-visibility, regulated systems; reducing cloud and API costs; modernizing complex codebases; and leading full-stack work from architecture through incident response. Brings hands-on depth across cloud backends, polished frontends, data workflows, and cross-functional technical leadership.

SKILLS

Languages: JavaScript/TypeScript · Python · Go · PHP · Java · C/C++/C# · SQL · Dart · Solidity · HTML5/CSS3 · Rust

Frameworks & Libraries: React/Redux · React Native (Expo) · Node.js · NestJS · GraphQL (Apollo) · Angular · Flutter/Flutterflow · Tauri · WordPress · Ruby on Rails · Sass/SCSS · Astro · Svelte

Cloud & Infrastructure: AWS (S3, RDS, CDK/CloudFormation, Athena) · Google Cloud Platform (Cloud Functions, Firestore, App Engine, Cloud Storage, Maps Platform/Places API) · Docker · Temporal · CI/CD pipelines · Cloud FinOps and cost optimization · API rate limiting and quota management · Distributed caching · Monitoring and incident response

Databases: PostgreSQL · MySQL · MongoDB · SQLite · Trino/Athena · Firebase

Human: Technical leadership · Mentoring · Task analysis · Accessibility · Incident response · Cross-functional collaboration · LLM/AI tooling adoption · Hugs

EXPERIENCE

Full-stack contract engineering for fintech and consumer-product clients, owning features end to end from architecture through production support

Gluefi — Senior Software Engineer > Lead Engineer Mar 2025 – May 2026

Fintech infrastructure for tokenized finance in Japan

- Delivered a comprehensive admin dashboard (accounts, tasks, revenue, treasury management) backed by live data with role-based access, localized in English and Japanese, plus a verification Review Center with filtering, search, and approve/reject workflows.
- Designed a modular, reusable front-end system for rapidly building branded web products, and integrated passkey-based authentication with the backend.
- Diagnosed and fixed a critical Temporal retry bug that could execute treasury transfers up to 3x, then implemented S3-backed idempotency controls to prevent duplicate transfer operations.
- Traced recurring production 5xx errors to database connection exhaustion and VPC connectivity, adding connection pooling; fixed a Postgres connection leak in auth flows.
- Recovered dev databases after a destructive CDK deployment by restoring from RDS snapshots and re-importing resources into the CloudFormation stack.
- Built robust transaction polling with exponential backoff, and a two-phase transaction-deduplication utility.

BLAPP — Senior Software Engineer > Fractional CTO Mar 2024 – Present

Discovery/e-commerce platform for Black-owned businesses

- Cut Google Maps/Places API costs by 90% after unplanned viral growth added 80,000+ users in 3 days and triggered \$23,940 in charges, implementing intelligent caching, on-demand media loading, tighter search boundaries, and payload optimization while preserving full app functionality.
- Led a major dependency modernization — Expo SDK 54, React Native 0.81.5, React 19, Firebase v12 — resolving breaking changes across 79 files.
- Drove sustained performance and stability work: eliminated navigation memory leaks, added map caching, debounced search, reduced image payloads, and resolved a widespread crash affecting users.

Bloomberg — Senior Software Engineer May 2023 – Jan 2024

- Engineered audit trails, compliance updates, and industry-guideline implementations for FXGO and related Electronic Trading team dashboards; also led early discussions on responsible LLM and AI adoption.

- Spearheaded a high-visibility project enabling streamlined testing of multilateral trading facilities; worked with senior management on legislative requirements and audited QA teams to normalize metrics and reporting workflows.

FlyPilot Studios | Online Marketing Group (FP|OMG) — SWE > Sr SWE > Lead Engineer *Jun 2015 – May 2025*

Ten-year recurring engineering relationship with FlyPilot / Online Marketing Group, serving real estate, e-commerce, and publishing clients alongside staff roles

FP|OMG Lead Engineer *Oct 2022 – May 2025*

- Developed automated email-parsing integrations capturing inbound leads from listing platforms and CallRail into the Spark and Nestio CRMs with source attribution, and built lead-data pipelines into Google Sheets with daily appends and UTM mapping for offline conversion tracking.
- Integrated web forms with multiple lead systems simultaneously (Formspree, Nestio, Spark.re) without breaking existing integrations, adding hidden attribution fields plus reCAPTCHA and multi-submission prevention to eliminate spam and duplicate leads.
- Built custom availability-search experiences for apartment sites and integrated an alternate MLS feed (MLSGrid) with deduplication against the existing feed.
- Migrated a production CMS from Sanity Studio v2 to v3 with minimal disruption to the live front-end, and led hosting/codebase takeover of a Rails site on Heroku with AWS media storage.
- Created reusable Gutenberg and ACF block systems for hero patterns, search bars, carousels, partnership templates, and per-image focal points.
- Hardened WordPress and WooCommerce platforms by fixing quoting, tax-calculation, query-truncation, and stale data-sync issues.

FP|OMG Senior Software Engineer *Apr 2020 – Oct 2020*

- Delivered high-profile property-listing showcase applications for Veris Residential and Brookfield Properties under exceptionally tight deadlines, spanning properties nationwide.
- Implemented testing and CI/CD pipelines enabling a 10-person multinational team to run a 24-hour development cycle with minimal errors; optimized load times from 15+ seconds to under 2.

FP|OMG Software Engineer *Jun 2015 – Mar 2018*

- Created WordPress plugins and full-stack solutions deployed across multiple client websites, spanning responsive front-ends and back-end development.

Bowery Valuation — Senior Engineer *Oct 2020 – Oct 2022*

- Built an application that helped appraisers create accurate commercial and residential property reports, including a custom word processor with dynamic access to relevant property data.
- Conceived optimizations to the team's product-review cycle improving productivity, mentored junior developers, and led initiatives increasing visibility between product, design, and technology teams.

Capital One — Senior Software Engineer *Jun 2019 – Apr 2020*

- Developed a high-visibility commercial credit product that let former white-glove customers view and interact with their credit assets through a self-service experience.
- Introduced well-known react-saga models reducing future technical debt, completed a major client-facing refactor under a time crunch, and mentored junior associates.

BlockApps — Full-Stack Blockchain Developer *Mar 2018 – Jun 2019*

- Architected a system tracking product status across four companies; blockchain for provenance and data privacy.
- Managed teams of 2–4 to deadline while sustaining code quality and customer satisfaction; led client requirement-gathering, endpoint integration, and an on-site customer training workshop.

NYU ITS — Front/Backend Developer *Nov 2011 – Dec 2016*

- Built a web application streamlining billing and tracking for financial agreements across multiple NYU departments.

ADDITIONAL EXPERIENCE

American Express · S&P Capital IQ (McGraw Hill) · Delivery.com · Droga5 · Remedy Partners · IROKOtv · Fleishman-Hillard · UJA Federation · HeartBeat Ideas · Infosys Technologies, and others — front-end, back-end, and game engineering roles.

EDUCATION

New York University, Tisch School of the Arts (ITP) — MPS, Interactive Telecommunications

Rensselaer Polytechnic Institute — BS, Computer Science · BS, Psychology · Minor in Game Design