

JEAN FELISME

Senior Full-Stack Engineer | Technical Lead | Solutions Architect

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PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 15+ years delivering enterprise-scale platforms across React, Next.js, TypeScript, Java, Spring Boot, Node.js, and PHP. Proven track record leading full-stack delivery on large enterprise projects, including Java/Spring Boot API architecture and Azure cloud deployment for a Fortune 500 automotive client. Deep experience architecting cloud-native systems, integrating AI workflows via OpenAI API and LangChain, and shipping production SaaS with rigorous testing pipelines. Currently pursuing an MS in Information Systems with AI specialization at FIU (Fall 2026).

CORE SKILLS

Languages: Java 21, TypeScript, JavaScript (ES6+), PHP, Python, HTML5, CSS3/SASS

Frameworks: Spring Boot 4, Spring Security (JWT), Spring Data JPA, Hibernate 7, React, Next.js 15 (App Router), Node.js, Angular, Laravel, Gatsby, Tailwind CSS

Databases: PostgreSQL, MySQL, MongoDB, Drizzle ORM, Hibernate/JPA, Neon, Redis

AI / ML: OpenAI API (GPT-4o-mini, DALL-E), LangChain, prompt engineering, AI-assisted content generation, supply-chain threat awareness

Cloud/DevOps: AWS (EC2, S3, Lambda, CloudFront), Microsoft Azure, Railway, Vercel, Docker, GitHub Actions CI/CD, Maven, HikariCP

CMS/Platform: Strapi, WordPress Multisite, Drupal, Contentful, Sanity, BigCommerce, WooCommerce, Headless CMS, GraphQL

Testing: Vitest, JUnit 5, Mockito, Playwright, Percy (visual regression), Jest, React Testing Library, Storybook, Codecov, springdoc-openapi/Swagger

Architecture: Turborepo monorepo, Expo/React Native, Stripe webhooks, circuit breaker pattern, JWT stateless auth, REST API design

FEATURED PROJECTS

Job Application Tracker | [Personal SaaS — Live](#)

2025–2026

Java 21, Spring Boot 4.0.5, Spring Security (JWT), Spring Data JPA, Hibernate 7, PostgreSQL (Neon), Next.js 15, TypeScript, OpenAI API, Railway, Vercel

Live: job-tracker-frontend-blush.vercel.app | GitHub: github.com/ifelieweb/job-app-tracker-api | github.com/ifelieweb/job-tracker-frontend

- Built full-stack SaaS from scratch, stateless JWT auth with BCrypt password hashing, Spring Data JPA with relational PostgreSQL schema, and RESTful CRUD API (Applications, Companies, Reminders) deployed on Railway; backend URL never exposed to the browser via Next.js App Router server-side proxy rewrites on Vercel.
- Engineered Spring Security filter chain for JWT validation: token parsed in JwtFilter, SecurityContext populated, @AuthenticationPrincipal injected into controllers, ownership enforced at repository layer via findByIdAndUserId so users cannot access each other's data.
- Implemented @Scheduled background job processing follow-up reminders on a 60-second cadence using Spring's task executor thread pool, fully independent of the HTTP request layer designed to extend to email delivery without architectural changes.
- Integrated OpenAI GPT-4o-mini for AI-generated cover letters via Spring RestTemplate with structured prompt engineering; resolved Railway-specific JVM container constraints (-Xmx300m -Xss512k -XX:+UseSerialGC) and deprecated Nixpacks build environment migration.
- Deliberately replaced axios with native fetch after researching the March 2026 npm supply chain compromise (versions 1.14.1 and 0.30.4 were backdoored); documented the security decision in the codebase.

Next.js 14, TypeScript, Drizzle ORM, PostgreSQL (Neon), Stripe, Spotify API, Better Auth, Expo/React Native, Turborepo, Tailwind CSS, shadcn/ui

Live: bashly.app | GitHub: github.com/jfeliweb/bashly

- Architected a full event management SaaS as a Turborepo monorepo - Next.js 14 App Router web app, React Native mobile app (Expo 52 + NativeWind), and five shared packages (types, Zod validators, API client, Tailwind config, utils), zero type drift across platforms.
- Built Stripe per-event unlock flow with full webhook idempotency: atomic Drizzle transaction on `checkout.session.completed`, `onConflictDoNothing` guard against replay attacks, SQL-level `redemptionCount` increment, and `payment_intent.succeeded` fallback for missed events.
- Enforced ownership at the API layer checkout route queries `eventRoleTable` for `role === owner` before creating any Stripe session; users cannot unlock events they do not own, even with a valid auth token.
- Implemented fingerprint-based deduplication for guest RSVPs and song votes composite unique constraint on (`songSuggestionId`, `fingerprint`) enforced at the database level, preventing spam without requiring guest accounts.
- Applied the full testing pyramid gated in CI: Vitest unit tests with Codecov coverage, Storybook component tests, Playwright E2E across 8 test files, axe-core WCAG 2.1 AA accessibility audits (Critical/Serious violations block PRs), Percy visual regression diffing, and Checkly production uptime monitors as code.

PROFESSIONAL EXPERIENCE

Founder and Lead Web Developer | BizDots Media

May 2005 – Present

Miramar, FL | Self-Employed (Freelance and Contract)

- Lead full-stack engineering across client projects and proprietary SaaS products, delivering production platforms in Next.js, React, TypeScript, Java/Spring Boot, PHP/Laravel, and WordPress with AI integrations via OpenAI API and LangChain.
- Designed and shipped independent SaaS products, including Bashly (event management SaaS, Turborepo monorepo, and React Native), Job Application Tracker (Java/Spring Boot and Next.js), Clipmai (AI image platform), and AI Resume Builder - sole engineer, product owner, and technical lead on each.
- Leverage OpenAI API and LangChain for SEO automation, AI-assisted content generation, and internal productivity tooling - reducing content workflow overhead by 30% across client engagements.
- Manage full project lifecycle: architecture decisions, stakeholder communication, AWS infrastructure (EC2, S3, Lambda, CloudFront, CI/CD pipelines), QA, deployment, and post-launch iteration.

Senior Software Engineer | Clockwork

Jul 2023 – Oct 2025

Minneapolis, MN | Remote

- Led initial architecture and Azure cloud deployment of a Java/Spring Boot and Angular and Strapi CMS enterprise platform for a Fortune 500 automotive manufacturer, designed RESTful service contracts, owned API and auth integration between Spring Boot backend and Angular frontend, and contributed across reporting dashboards, presentation builder, and internal email features serving regional and district sales teams.
- Spent the majority of engagement owning Strapi CMS integration, API design, content modeling, and auth flow between Strapi, Spring Boot, and Angular frontend on a sales intelligence platform used by district managers to analyze current and historical vehicle sales data.
- Built enterprise-grade front-end systems across WordPress, Drupal, BigCommerce, Contentful, and Strapi for high-traffic clients (100K+ active users); converted Figma mockups to pixel-perfect React and HTML/CSS/JavaScript implementations.
- Developed an interactive kiosk application with Next.js, React, TypeScript, GraphQL, and Tailwind CSS optimized for touch-enabled offline operation; deployed AWS-based CI/CD pipelines (EC2, S3, Lambda, CloudFront), reducing deployment time by 45%.
- Integrated AI-assisted tooling (ChatGPT, Claude, Copilot) to boost sprint velocity by 20%; conducted A/B testing and analytics tagging with data-driven decision making.

Senior Software Developer | [Open English](#)

Nov 2021 – Dec 2022

Coral Gables, FL | Remote

- Implemented headless WordPress and GraphQL platform powering a React/Gatsby front-end, achieved 98+ Lighthouse performance scores across a multinational edtech product serving 50K+ students.
- Converted Figma designs into reusable landing page and product page templates, enabling marketing to launch campaigns 5x faster with zero engineering dependencies; optimized component-level performance, improving global page load times by 50%.
- Refactored legacy PHP/JavaScript codebase to modular architecture, reducing technical debt by 40%; mentored 4 mid-to-junior developers through structured code review, shadowing, and lunch-and-learns.

Senior Software Engineer | [Fracture](#)

Feb 2020 – Nov 2021

Gainesville, FL | Remote

- Implemented and optimized WooCommerce merchandising flows, product pages, checkout, cart UX, improving conversion rates by 12% and reducing cart abandonment; re-engineered front-end modules into React-based microservices, achieving a 35% improvement in page performance.
- Built 25+ custom Gutenberg blocks enabling editors to manage dynamic merchandising content with 60% greater efficiency; enforced ADA compliance and Core Web Vitals standards across all new feature releases.

Senior Web Developer | [Florida International University](#)

Mar 2016 – Feb 2020

Miami, FL | Hybrid

- Led migration of 70+ departmental sites from CakePHP to WordPress Multisite, coordinating requirements across 12+ departments and delivering on-time within a 6-month constraint; built a secure LDAP-based multimedia submission system with approval workflows.
- Designed and implemented an interactive campus display system (JavaScript/HTML5) powering 8 connected screens with live API feeds; created Node.js automation tools saving approximately 80% of recurring maintenance time.
- Optimized all sites for ADA/WCAG, SEO, and Core Web Vitals - 30% increase in organic traffic.

Front-End Developer | [CBS Interactive - CBS Sports and CBS.com](#)

Jan 2008 – Apr 2015

Fort Lauderdale, FL | Hybrid

- Developed and maintained responsive customer-facing portals in HTML, CSS, and JavaScript, supporting millions of monthly users across CBS Sports and CBS.com; led a 3-person team cutting support ticket resolution time by 25%.
- Built and managed an internal WordPress Multisite network for secure inter-division content sharing; collaborated with product managers and designers on cross-platform implementations.

EDUCATION

MS in Information Systems | [Florida International University](#)

Starting Fall 2026

Miami, FL | AI Specialization Track | College of Business

BS in Construction Management | [ITT Technical Institute](#)

2010

Fort Lauderdale, FL | CAD Drafting Specialization | Graduated with Honors

CERTIFICATIONS AND AFFILIATIONS

- AWS Solutions Architect – Associate (in progress)
- eMerge Americas | Code for Miami | South Florida tech community contributor (Python, WordPress, PHP)