

DUSTIN VANKRIMPEN

SOFTWARE ENGINEER / FULLSTACK & MICROSERVICES

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— SUMMARY

Full-stack engineer with 5 years building enterprise applications in Java / Kotlin, Spring, and React — strongest in backend architecture and distributed systems. Currently helping drive a multi-tenant SaaS modernization and building its high-precision pricing engine and AI-driven booking validation.

— TECHNICAL SKILLS

// **Languages** Kotlin, Java, Go, TypeScript, SQL (PostgreSQL / MySQL), GraphQL
// **Frameworks** Spring Boot, Spring Security, React, Node.js
// **Cloud & DevOps** AWS (Lambda, S3, RDS, SQS), SST, Terraform, Neon, Docker, GitHub Actions, Azure Pipelines
// **Architecture** Multi-Tenant SaaS, OAuth2 / JWT, Redis Caching, RESTful & Event-Driven Design

— PROFESSIONAL EXPERIENCE

SOFTWARE DEVELOPER — UFP INDUSTRIES

Nov 2023 - Present · Grand Rapids, MI

- **SaaS Modernization:** Core engineer on the team migrating a legacy international marketplace to a multi-tenant SaaS 2.0 platform; contribute to design reviews and build the tenant-isolation model (PostgreSQL RLS).
- **Real-Time Pricing Engine:** Designed and shipped a high-precision pricing engine that factors live logistics rates, import/export duties, and transaction fees into per-order quotes, eliminating manual price-correction work for trading reps.
- **AI Validation Pipeline:** Built a near-real-time validation service that uses AI models to verify logistics bookings against shipping rules, reducing manual entry errors on international orders by an estimated ~35% per the logistics team's review tracking.
- **Security & Auth:** Hardened platform auth with a custom OAuth2/JWT flow on Spring Security using HTTP-only cookies, replacing a brittle session approach and closing several CSRF/XSS exposure points.
- **Production Ownership:** Owned the 1.0 environment and AWS infrastructure end-to-end (Lambda, S3, RDS, SQS); on-call for production incidents and primary point of contact for platform reliability.

TECHNICAL CONSULTANT & MENTOR — AD SOLUTIONS

May 2024 - Aug 2025 · Remote

Part-time contract, concurrent with current role

- **Customer Billing Portal:** Set the architecture and technical direction for a Spring Boot + React billing portal, mentoring student developers through design and code reviews.
- **Infrastructure & Delivery:** Provisioned and configured the on-prem Ubuntu VM servers hosting the application, and built GitHub Actions pipelines for automated build, test, and deploy — replacing manual multi-step releases with single-PR pushes.

JAVA DEVELOPER — SAIC (VIA BEYONDSOA SOLUTIONS)

May 2022 - Nov 2023 · Remote

- **Performance Tuning:** Cut response times 25-50% on the slowest endpoints of an enterprise U.S. Patent & Trademark Office application through asynchronous processing and MySQL query and index optimization.
- **Reliability:** Resolved long-standing production defects affecting examiner workflows and added regression tests to prevent recurrence.

SOFTWARE ENGINEER INTERN — VIRGIN PULSE

Jun 2021 - May 2022 · Remote

Part-time on the software architecture team through summer; moved to full-time product engineering Sep 2021 - May 2022.

- **API Performance at Scale:** Profiled and optimized high-traffic REST endpoints on a wellness platform operating at 75B+ API calls/year, cutting response times ~80% on targeted endpoints via missing-index fixes, query simplification, and caching of stable hot paths.

STUDENT RESEARCHER — FERRIS STATE UNIVERSITY

Jun 2021 - May 2022 · Remote

Part-time research role, concurrent with Virgin Pulse internship

- **HealthTech Research:** Built the backend for a pharmacy MVP scoped directly with independent pharmacies, integrating Epic's FHIR APIs via a custom OAuth2 / MyChart login for patient-record access.

— EDUCATION

B.S. DIGITAL MEDIA SOFTWARE ENGINEERING — FERRIS STATE UNIVERSITY

GPA 4.0