

David R. Bixler

Location: **Tampa, Florida**

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SUMMARY

Senior Software Architect and Developer with 36+ years of experience designing, building, and scaling enterprise platforms across healthtech, defense, logistics, and fintech. Expert in Java, Spring Boot, AWS, Kafka, Kubernetes, and Terraform, with a strong record of delivering secure, compliant, and high-performance systems. Experienced technical leader known for modernizing legacy systems, building distributed architectures, and mentoring teams.

EXPERIENCE

THREAD Research — Chief Architect & Distinguished Engineer | Sep 2023 – Jun 2024

- Analyzed existing 500,000+ line Java code base used for clinical trials.
- Led architectural transformation of the codebase to ensure full unit test coverage.
- Introduced CQRS and event-driven patterns using Kafka, Spring Boot, and Terraform on AWS.
- Improved performance and ensured HIPAA and SOC 2 compliance across the platform.
- Tech Stack: Java, Spring Boot, Kafka, Terraform, AWS, Redis, PostgreSQL, AWS Lambdas, RDS.

Polestar Defense — Architect | Nov 2022 – Mar 2023

- Designed real-time vessel tracking system monitoring global maritime activity.
- Implemented Kafka/KSQL pipelines and reporting tools for IMO analysts.
- Worked in a security-cleared environment for sensitive defense data.
- Tech Stack: Java, Kafka, AWS, Terraform, PostgreSQL.

Trimble, Inc. — Principal Architect & Developer | Jan 2020 – Nov 2022

- Built event-driven CQRS microservices scaling to over 1 million shipments daily.
- Designed reusable Spring Boot framework reducing development time by 10%+.
- Produced detailed architectural documentation and led technical proof-of-concepts.
- Tech Stack: Java, Spring Boot, Kafka, AWS, PostgreSQL, Redis.

Kuebix (Acquired by Trimble, \$200M) — Principal Architect & Developer | Oct 2013 – Jan 2020

- Led architecture and scaled transportation management platform serving 20,000+ customers.
- Built carrier integrations for real-time rates, tracking, and invoicing.
- Mentored junior engineers, introduced Agile practices, and improved team velocity.
- Tech Stack: Java, Spring Boot, Salesforce, APEX, SOQL, PostgreSQL, REST APIs, AWS.

LegalData, LLC (Concurrent Side Business) — Founder & Developer | Jan 2011 – Dec 2019

- Designed, implemented and operated data-scraping platform delivering legal leads for Maryland attorneys.
- Automated daily ingestion of traffic violation data into MariaDB using cron jobs on Ubuntu.
- Provided formatted client reports, sustaining recurring revenue for eight years.
- Tech Stack: PHP, MariaDB, Linux, Ubuntu, Cron, Data Automation.

Dante Consulting — Principal Architect & Senior Developer | Jan 2003 – Oct 2013

- Developed Pay.gov for U.S. Treasury and Federal Reserve, ensuring full traceability and compliance.
- Designed enterprise systems for Verizon and Comcast, reducing service costs by millions.
- Established Salesforce consulting practice, increasing revenues by 10%.
- Tech Stack: Java, Spring, Salesforce, Oracle, Web Services.

E-centives, Inc. — Lead Developer | Jan 1996 – Dec 2002

- Led development of the E-centives Wallet and Organizer (featured on HomePC Magazine, Dec 1997).
- Built one of the first Java-based irregular-shaped Windows applications for digital coupons.
- Contributed to company IPO on the Swiss Stock Exchange (2001).
- Tech Stack: Java, Swing, AWT, SQL, Distributed Systems.

SKILLS

Languages

Java (primary), PHP, HTML, CSS, JavaScript, TypeScript

Frameworks & Libraries

Spring Boot, Spring Cloud, Lombok, Hibernate, JPA, Vert.x, gRPC, REST APIs, HATEOAS

Cloud & DevOps

AWS, Terraform, Docker, Docker Compose, Kubernetes, KIND, Localstack

Messaging & Data

Kafka, Kafka Streams, KSQL, RabbitMQ, Redis, PostgreSQL, MySQL/MariaDB, MongoDB, Websockets, Streams API.

Infrastructure & Systems

nginx, Apache, Tomcat, Linux, Ubuntu, CI/CD, [Postman](#) (10+ years)

Architecture & Design

Event-Driven Architecture, CQRS, Object-Oriented Design, API Development, Domain-Driven Design, Object Oriented Programming, Design Patterns

Security & Compliance

HIPAA, SOC 2, PII, PHI, GDPR, C2 Compliance

Technical Skills

IDE Environments: LLM Assisted Coding, Eclipse, IntelliJ IDEA, Microsoft VS Code

CERTIFICATIONS

Certified Salesforce Developer – Salesforce.com (2022)

Recognition: Kuebix SaaS Platform named in Gartner Magic Quadrant (2019) Recognition: E-centives Organizer featured on HomePC Magazine Cover (1997)

HOBBIES

Beekeeping, Laser Engraving and Cutting, Gardening, Woodworking, Home Assistant, Node-RED