

# JONATHAN BOLDT

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## SUMMARY

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Staff Software Engineer with 17+ years building and scaling distributed systems in the restaurant, retail, and financial industries. Track record of leading platform-level initiatives across teams, setting architectural direction for high-traffic systems, and turning technical strategy into measurable business results. Deep experience in cloud-native applications using microservices, serverless, and event-driven patterns. Core strengths in Python, Java, C#, Spring Boot, Kafka, MongoDB, Kubernetes, and AWS.

## EXPERIENCE

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### Staff Software Engineer, OpenTable (Booking Holdings) | Remote | 2026–Present

- Setting architectural direction for guest data systems handling 100M+ weekly requests across OpenTable's Hospitality Guest Engineering platform, serving 60,000+ restaurants.
- Partnering with product, data engineering, and marketing leadership to align technical strategy with business goals across 4+ teams.
- Establishing design patterns and mentoring senior and mid-level engineers on distributed systems, serverless design, and AI-assisted development.

### Senior Software Engineer, OpenTable (Booking Holdings) | Remote | 2021–2026

- Improved guest query performance by 50x through database optimization, significantly reducing infrastructure overhead.
- Designed a multi-provider email validation service to improve deliverability across 49M+ recipients, protecting marketing campaign reach and revenue.
- Built an AWS Lambda CSV import system processing 1,000 guests/min, enabling expansion to new restaurants.
- Pioneered Horizontal Pod Autoscaler patterns with smoothed CPU metrics for critical guest services, reducing infrastructure costs and improving peak-load reliability.
- Reduced false-positive alerts by 70% through threshold tuning and built Grafana dashboards surfacing performance bottlenecks across guest services.
- Led cross-functional syncs between 4 teams, negotiating API contracts and creating shared documentation.
- Won medals at company hackathon for an AI-powered guest segmentation system that influenced the product roadmap.

### Software Architect, Dumac Business Systems | Bellingham, WA | 2015–2021

- Led a team of 14+ developers to launch a greenfield cloud-based SaaS product for retail point-of-sale systems (1M+ lines of code) serving 5,000+ business customers.
- Designed the core framework using .NET Core, C#, PostgreSQL, Vue.js, and TypeScript.
- Set up CI/CD workflows with Git, Docker, and AWS, increasing deployment speed and release frequency.

### Software Developer and Team Lead, Retailer-Owned Research Company | Fort Worth, TX | 2008–2015

- Led development of mission-critical retail applications including POS, Self-Checkout, Mobile API, Loyalty, and Payment systems across 5,000+ locations handling millions of daily transactions.
- Built hardware integration interfaces for payment terminals, barcode scanners, and receipt printers.

### Programmer Analyst, Transamerica Life Insurance Company | Fort Worth, TX | 2007–2008

## SKILLS

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**Languages:** Java, Python, C#, JavaScript, TypeScript, GraphQL, SQL

**Platforms & Tools:** Spring Boot, .NET Core, Node.js, React, Vue, Docker, Kubernetes, Kafka, GitLab CI

**Data:** MongoDB, PostgreSQL, Redis, DynamoDB

**Cloud:** AWS (Lambda, S3, EC2, RDS, ECS, IAM, CloudWatch, SQS)

**Observability:** Grafana, Kibana, Prometheus

**Architecture:** Event-Driven Architecture, Microservices, Serverless, Distributed Systems

## PROJECTS

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**Biblos — AI/ML Data Exploration Tool** — Built a Python application using RAG architecture, vector database search, and LLM summarization for semantic text exploration. [github.com/dssjon/biblos](https://github.com/dssjon/biblos)

## EDUCATION

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**B.S. Information Systems**, University of Texas at Arlington